

1131 Central Processing Unit

127-0808-3

IBM
Parts Catalog

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127-0808-3

IBM Parts Catalog

PREFACE

This Parts Catalog contains listings and illustrations of all replaceable assemblies, subassemblies and detail parts released to Production Control on or before August 1, 1968 for the 1131 Central Processing Unit.

Fourth Edition (September 1968)

This is a major revision of and makes obsolete 127-0808-2, 127-0913-0 and Field Engineering Supplement S27-0650.

Significant changes or additions to the specifications contained in this publication are continually being made. When using this publication in connection with the operation of IBM equipment, check the latest FE Publications Systems Sequence Listing for revisions or contact the local IBM branch office.

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A form is provided at the back of this publication for your comments.

This manual was prepared by the IBM Systems Development Division, Product Publications, Dept. 455, Bldg. 014, San Jose, California 95114.

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HOW TO USE A PARTS CATALOG

PARTS CATALOG ORGANIZATION

To find a part quickly, you should understand the structure of a parts catalog. The complete machine, disassembled into major assemblies and sub-assemblies, is shown in the Visual Index.

Visual Index

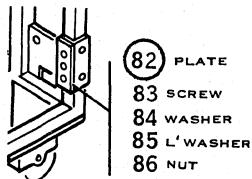
The Visual Index is the starting point for locating a part. Illustrations in the visual index show over-all views of the machine and its major assemblies. Callouts on the illustrations lead you to detailed figures.

Catalog

A catalog consists of related figures and parts lists. The figures break down the assemblies and sub-assemblies into detailed parts. The lists describe the parts and give part numbers. Each figure is referenced from the visual index.

Circled and Stacked Index Numbers

Index numbers are stacked only to indicate a part and its attaching hardware. The sequence of a typical stack is shown at right. Circled index numbers indicate an assembly broken down within the figure.



Numerical Index

The Numerical Index at the back of the catalog lists all parts in numeric order. Each part number is cross-referenced to related lists and figures. The Numerical Index permits you to locate and identify a part when only the part number is known.

HOW TO FIND A PART

Step 1

Go to the Visual Index in the front of the catalog and locate the assembly that contains the part. Note the figure and page number.

Step 2

Locate the index number of the part on the figure. Find the index number in the corresponding list. Before ordering the part number, verify your choice by checking the description of the part.

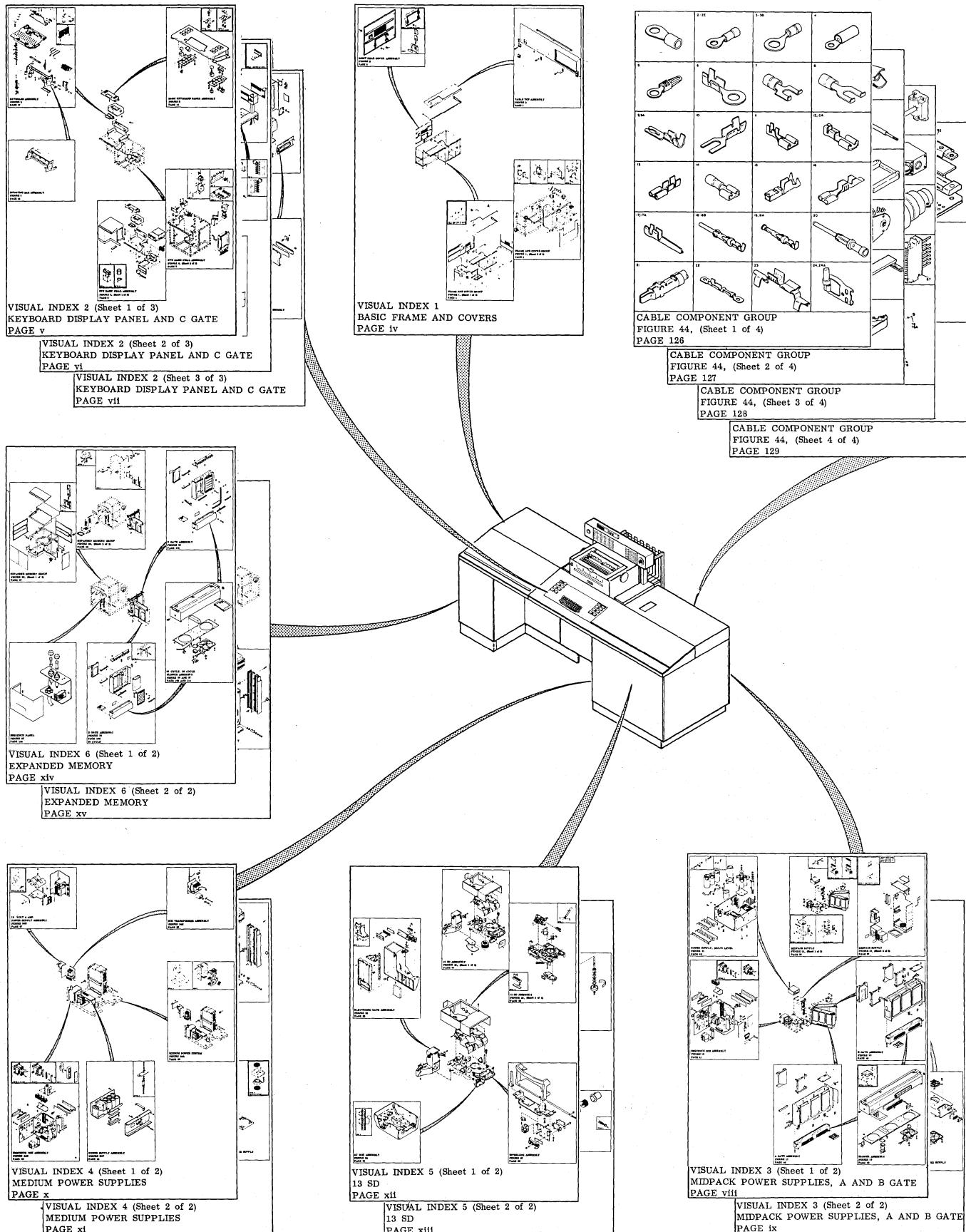
If the part you are looking for is not indexed on the figure but is shown in a subassembly on the figure, refer to the note next to the index number of the subassembly. Go to that figure and locate the part.

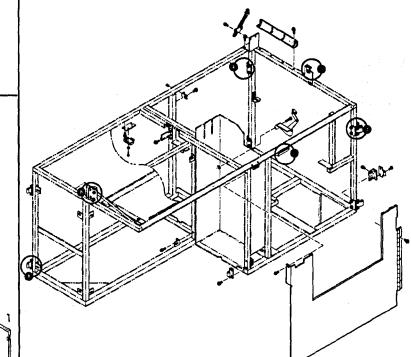
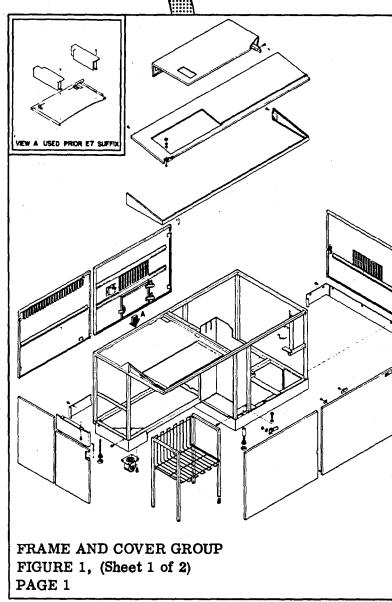
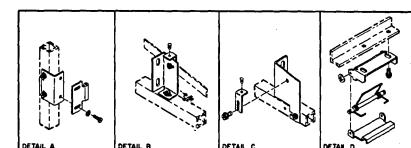
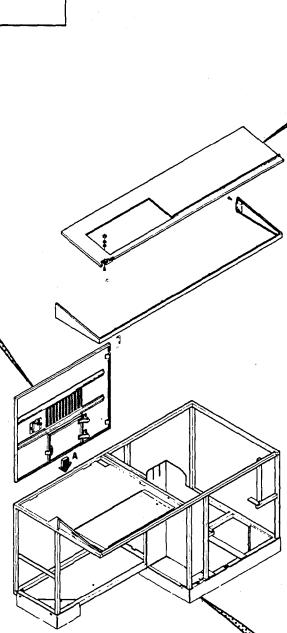
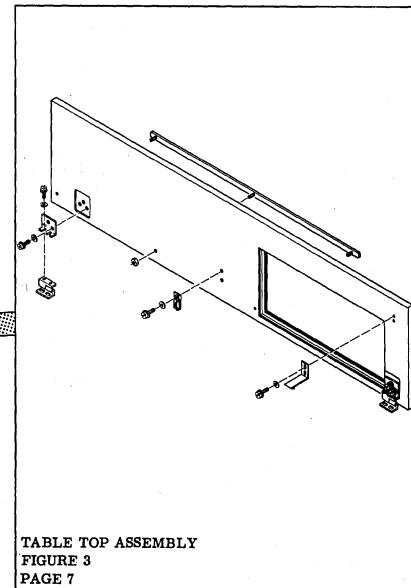
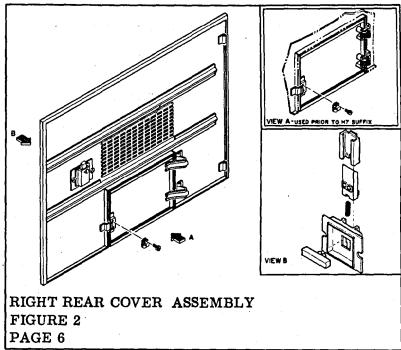
If the part is not shown on the illustration, note the reference to its next higher assembly on the figure (normally in upper left corner of page). Go to the figure showing the next higher assembly to locate the part.

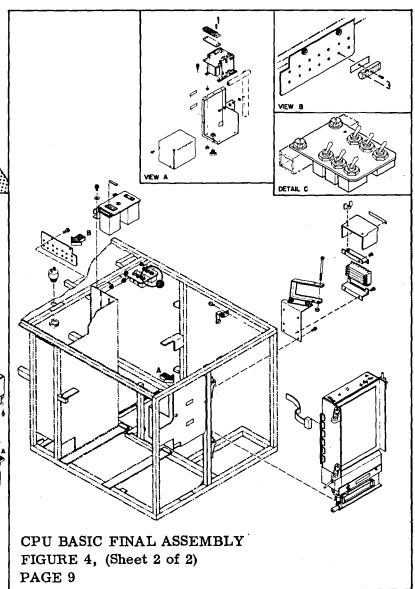
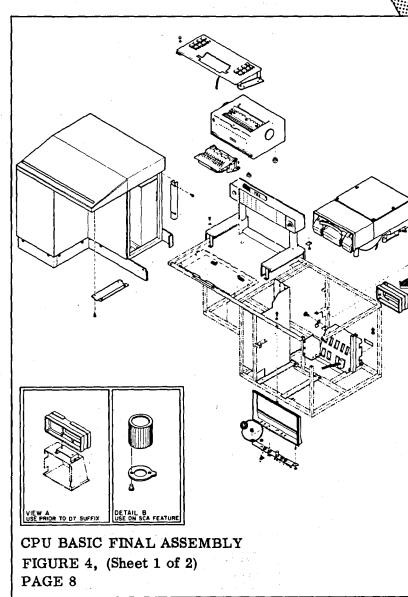
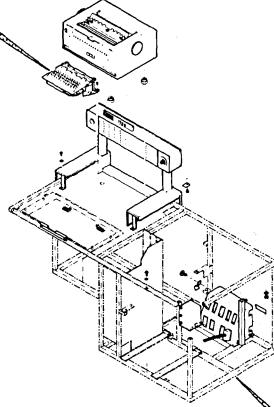
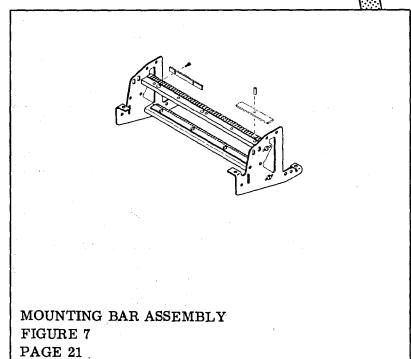
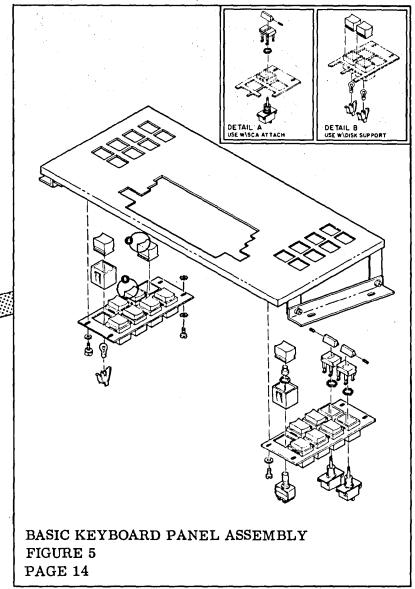
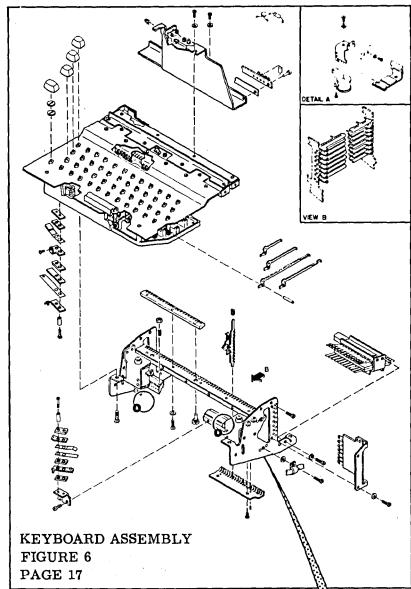
Examples For Ordering Parts

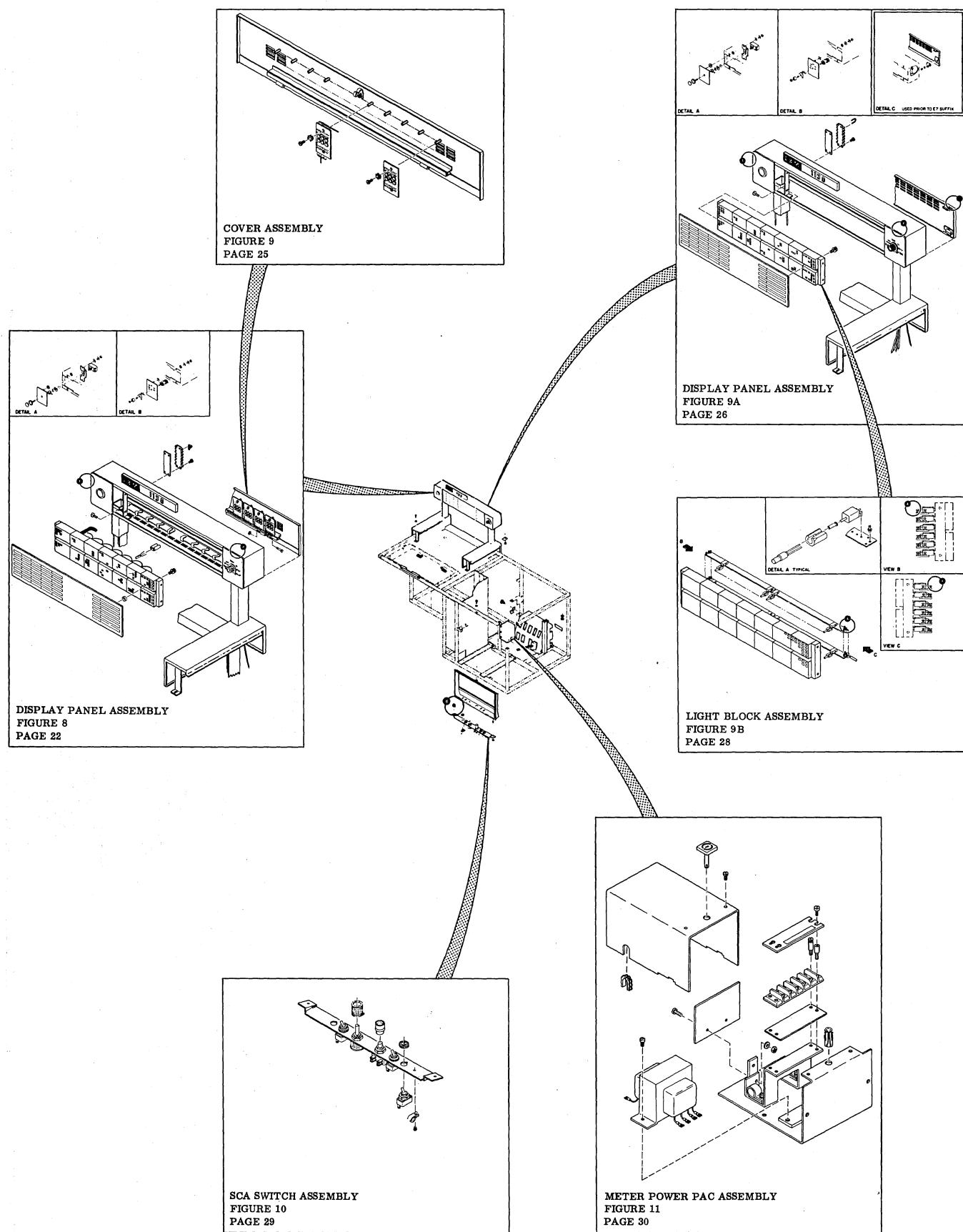
			REF
4 -	5726422	FAN ASM-P/S ENCLOSURE SEE FIG 1-184 FOR NEXT HIGHER ASSEMBLY AND FIGURE 4 FOR ILLUSTRATION	
- 1	334921	. TERMINAL-RING, 18-22 AWG, #6 HOLE, INS	2
- 2	187854	. SHIELD, TERMINAL BLOCK- 2 POS	1
- 3	210984	. SCREW, RD HD MACH-6-32 X .250 LG	ATT PT
- 4	5357050	. FAN ASM-NO CONNECTOR	1
- 5	32042	. SCREW,MACH BIND. HD 10-32 X .375 LG	ATT PT
- 6	5357066	. . BLADE	1
- 7	5357067	. . MOTOR 208V/230V 60CY 220V 50CY	1
- 8	130434	. . SCREW-MACH, SLOTTED HEX HD 10-32 X .375 LG	ATT PT
- 9	56079	. . WASHER,LOCK-EXT T .195ID .410 OD	2
- 10	5726436	. . HEADER-POWER SUPPLY FAN	ATT PT

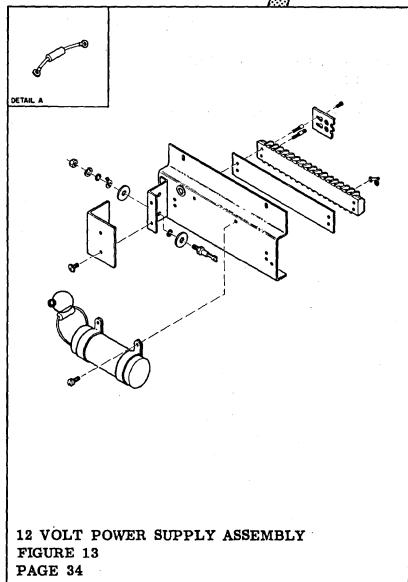
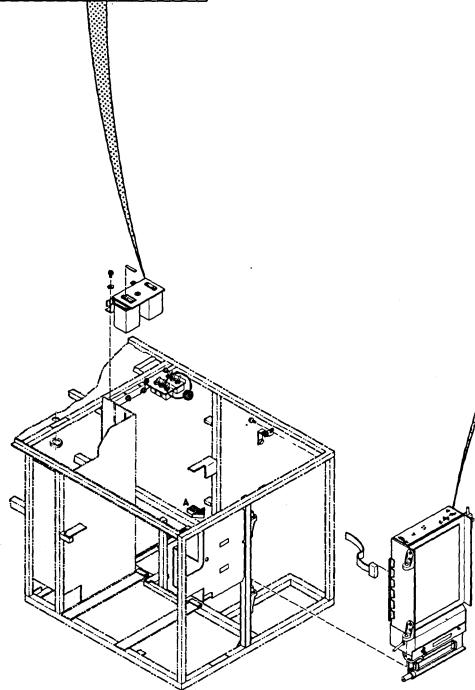
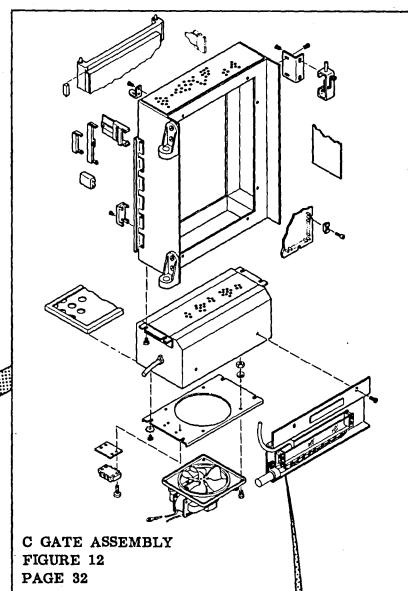
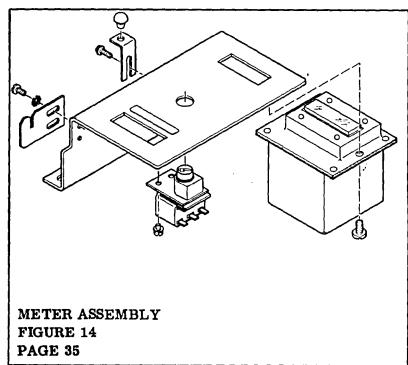
If the entire Fan is required, part number 5726422 should be ordered. Index number 4 Fan Assembly, a one dot item if ordered will give you index numbers 6-9 which are two dot items. Index number 5, a one dot item, will not be received as it is part of 5726422 which has no dot. Always check the indenture (dot) relationship of parts before ordering to insure receipt of parts required.

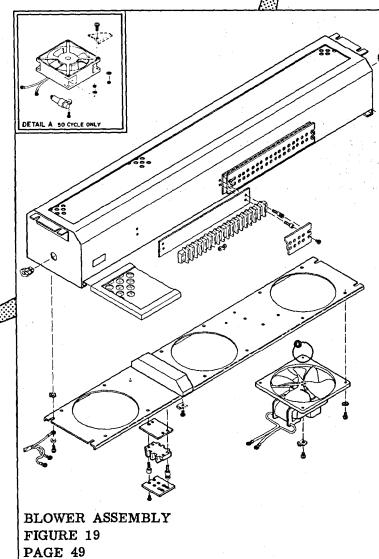
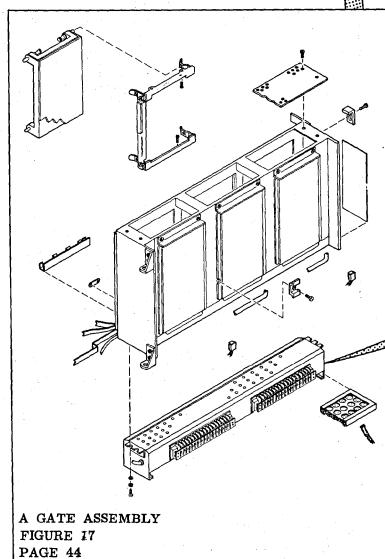
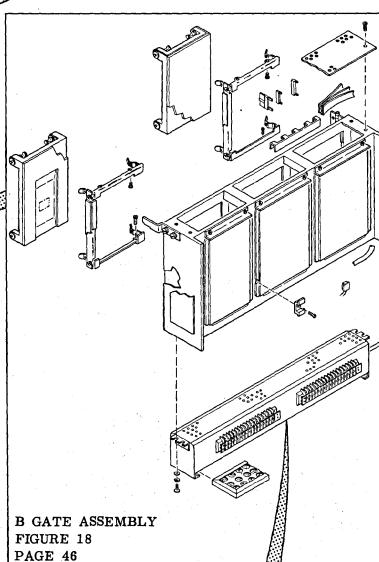
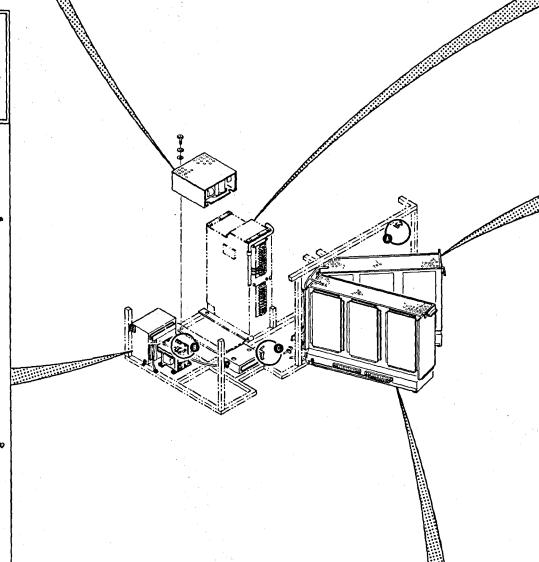
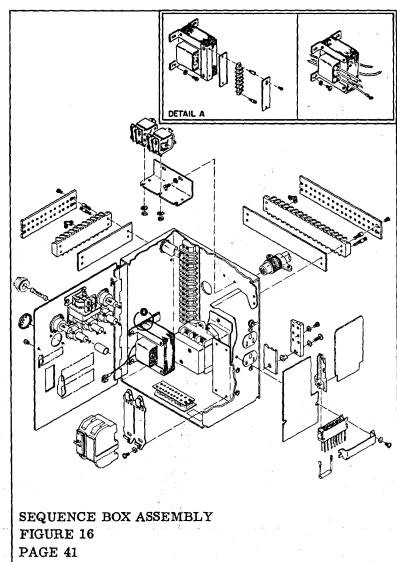
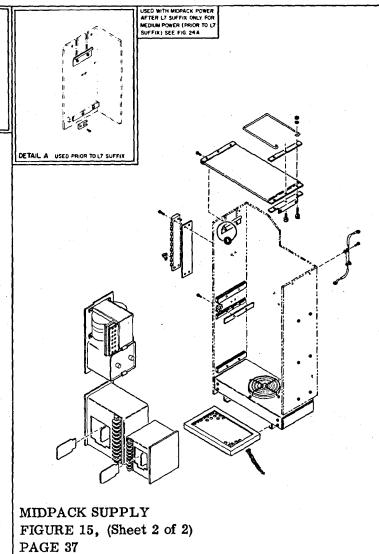
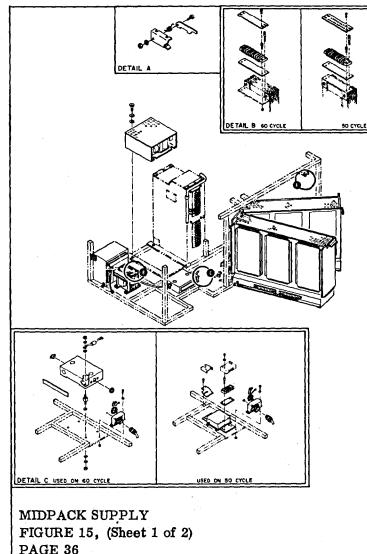
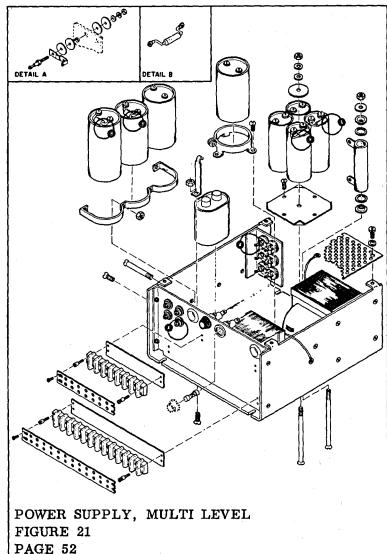


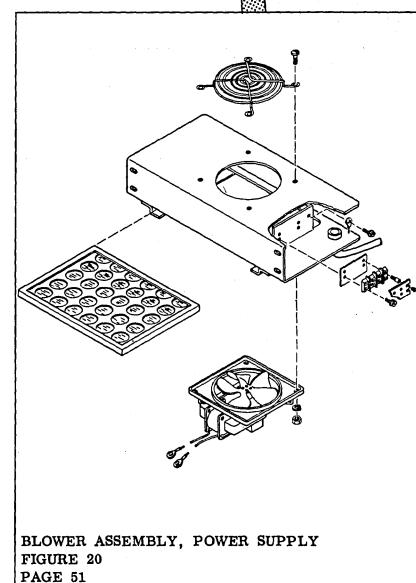
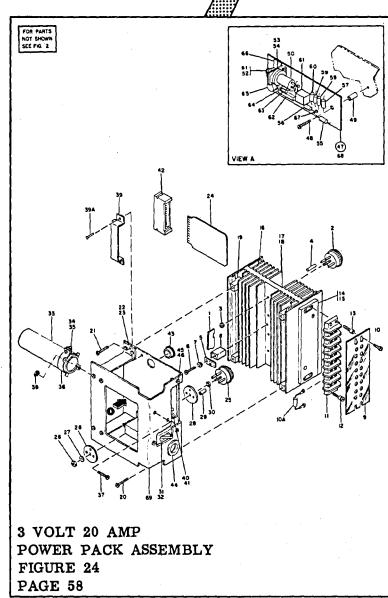
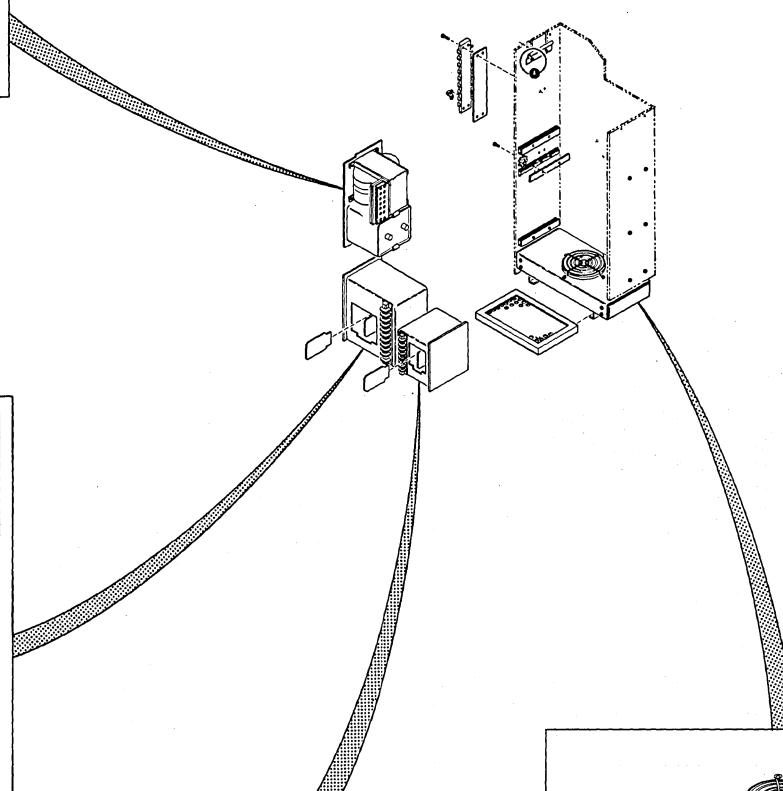
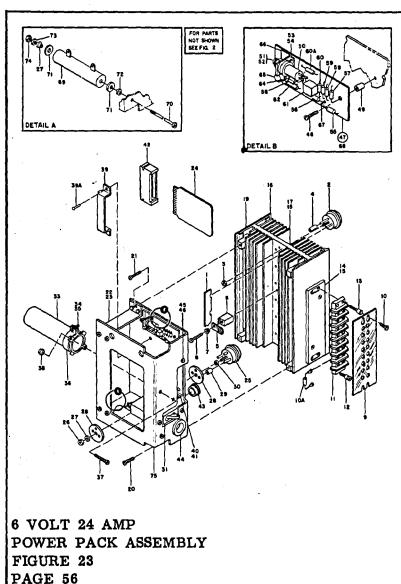
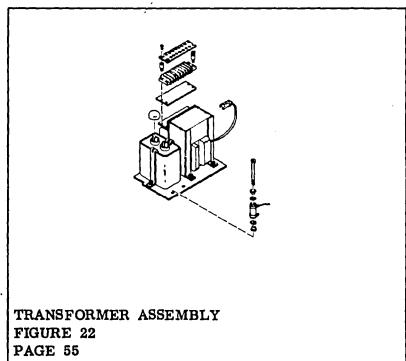


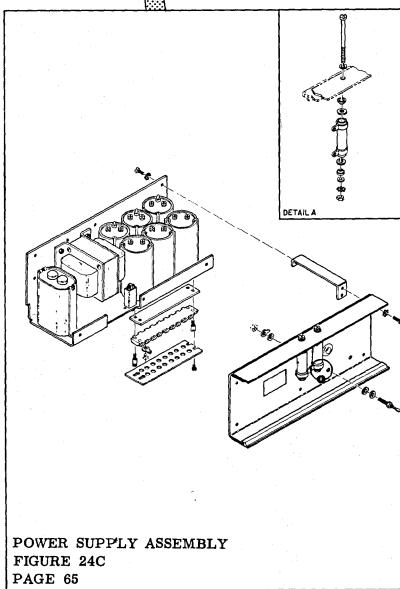
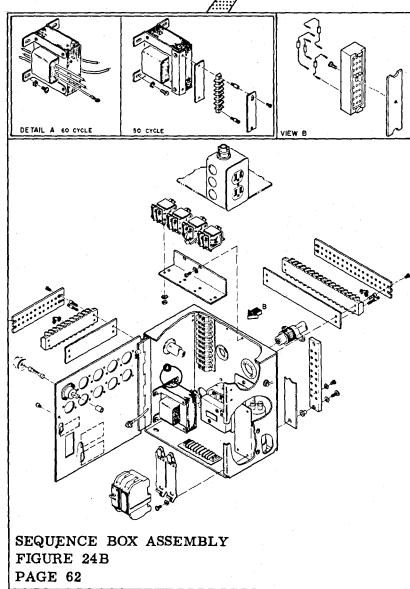
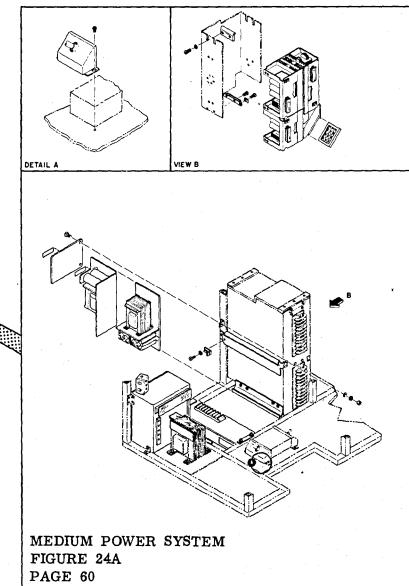
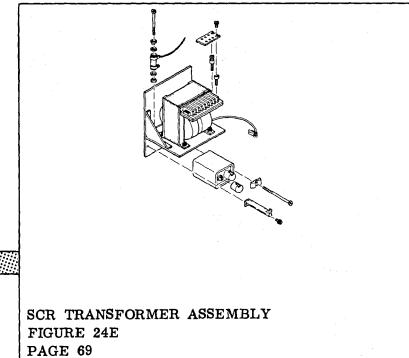
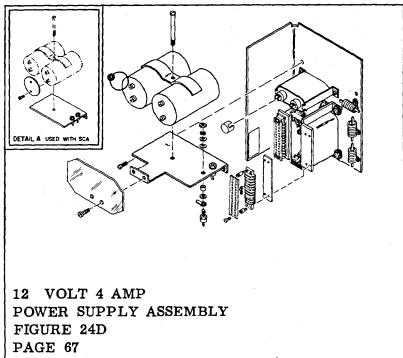


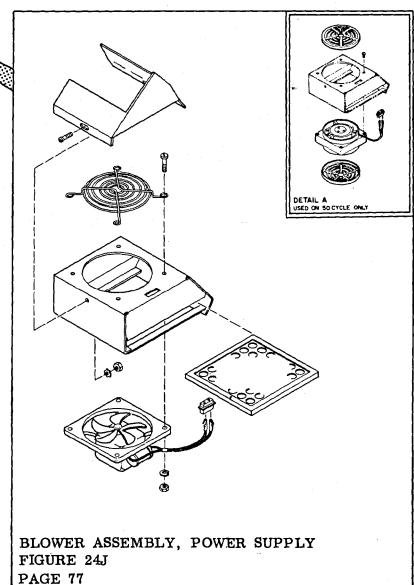
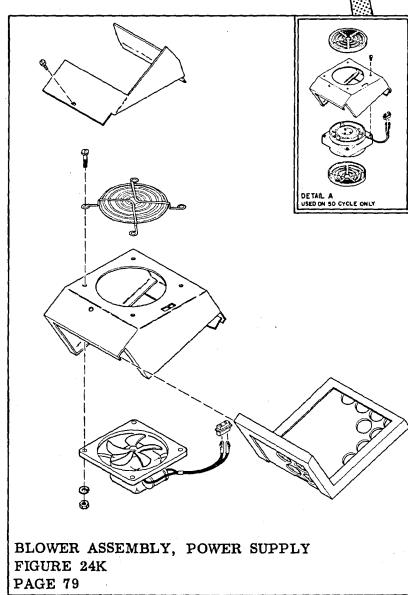
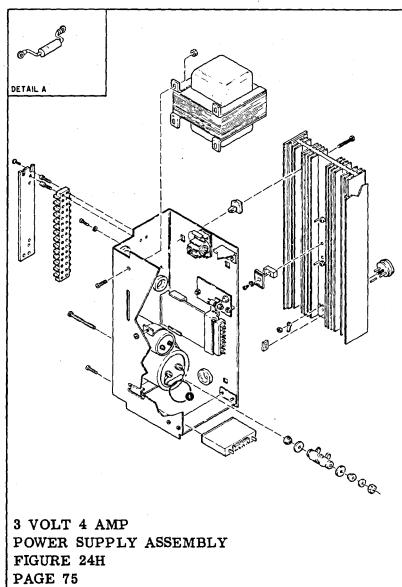
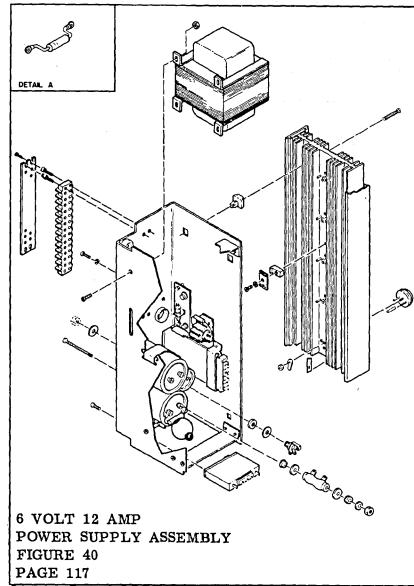
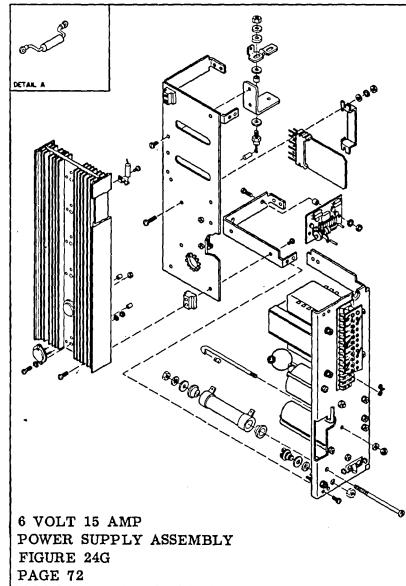
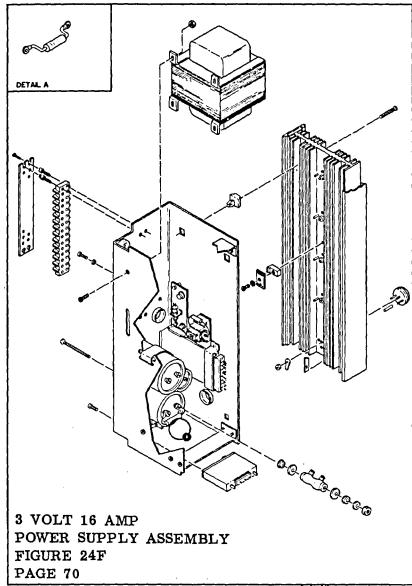


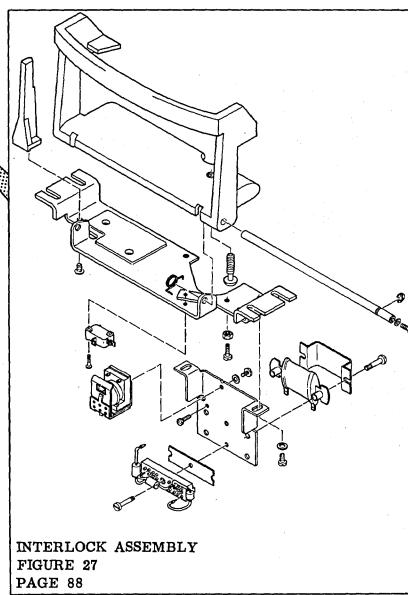
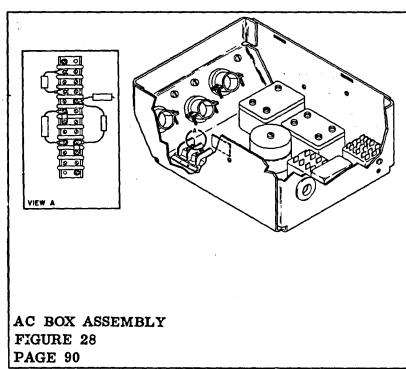
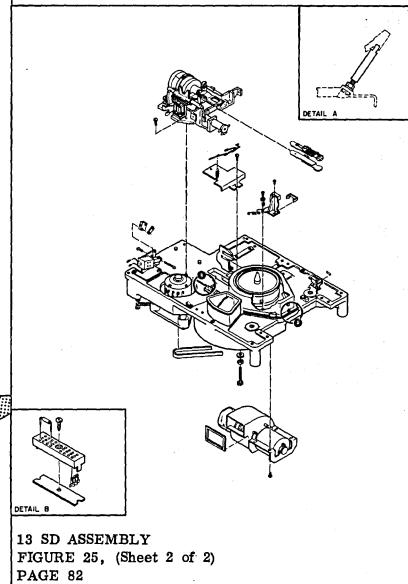
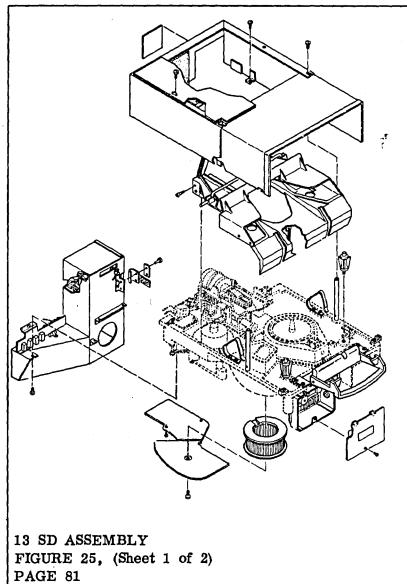
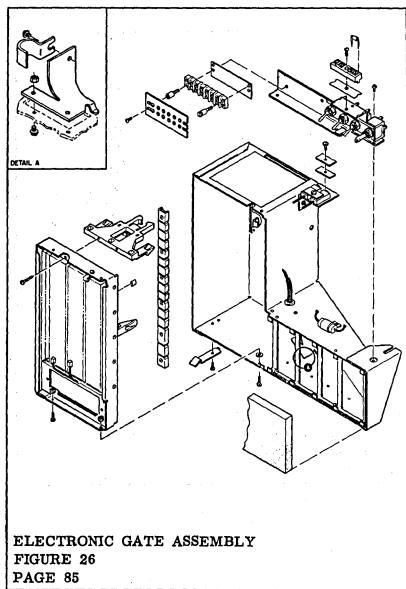


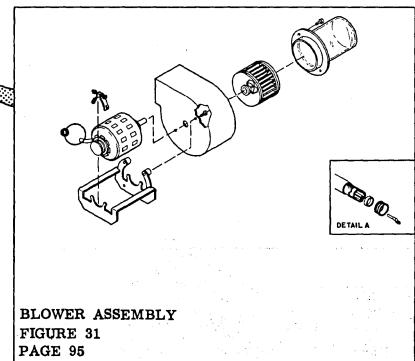
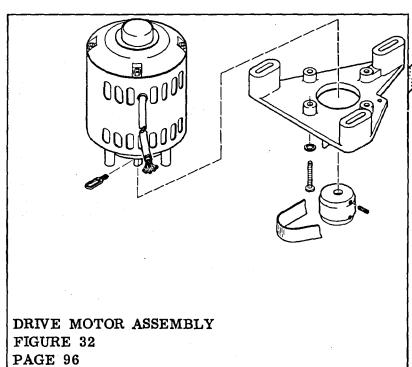
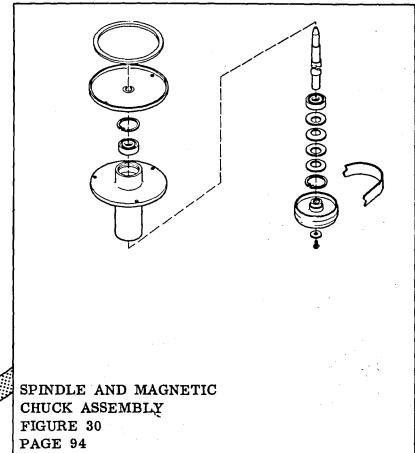
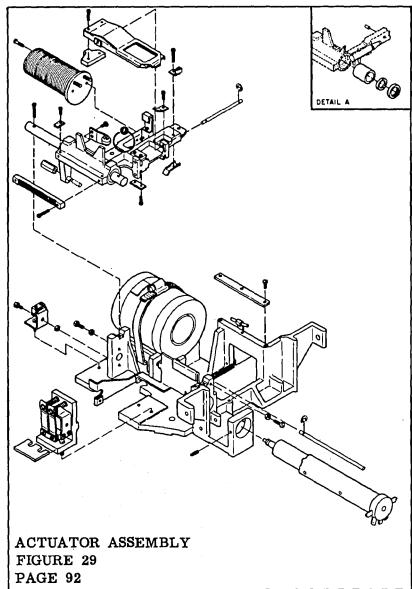


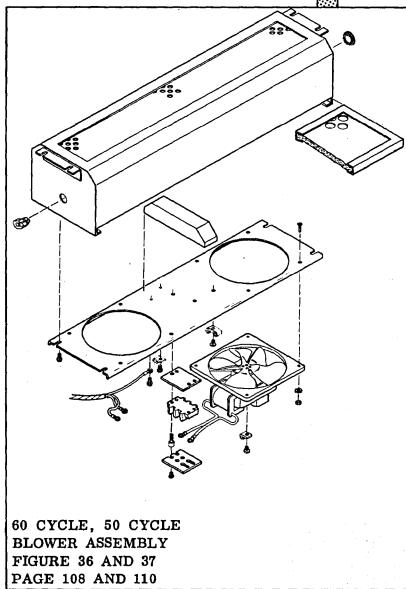
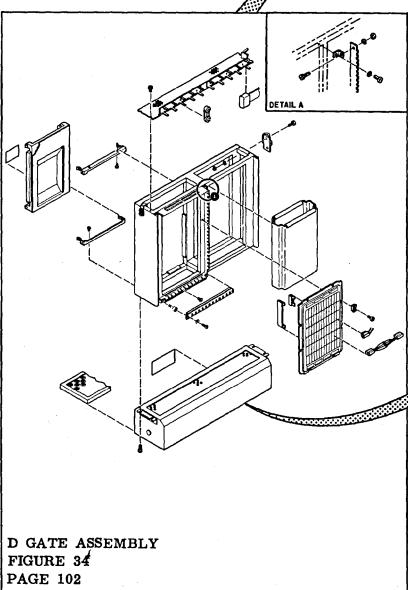
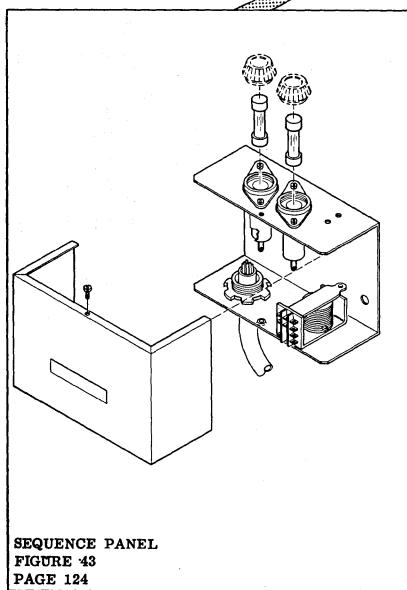
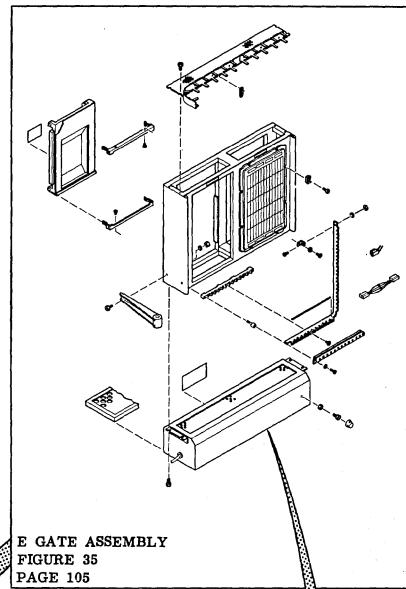
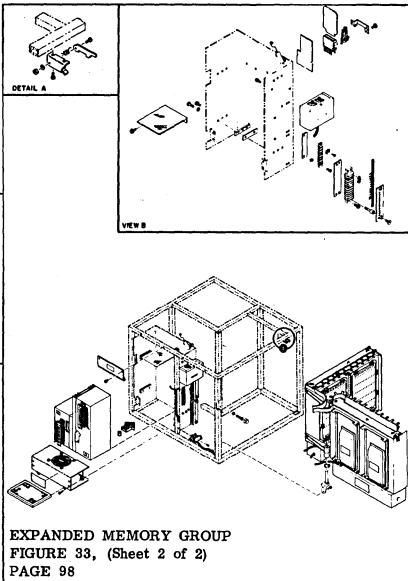
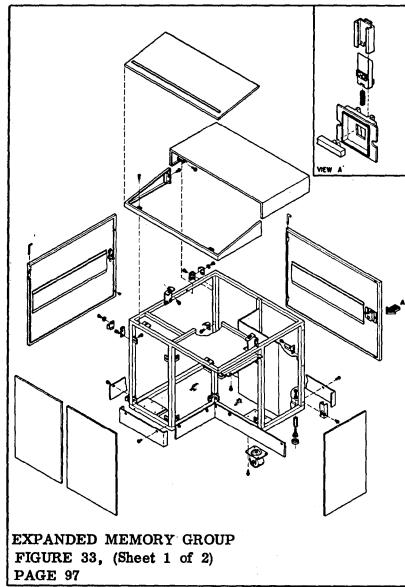


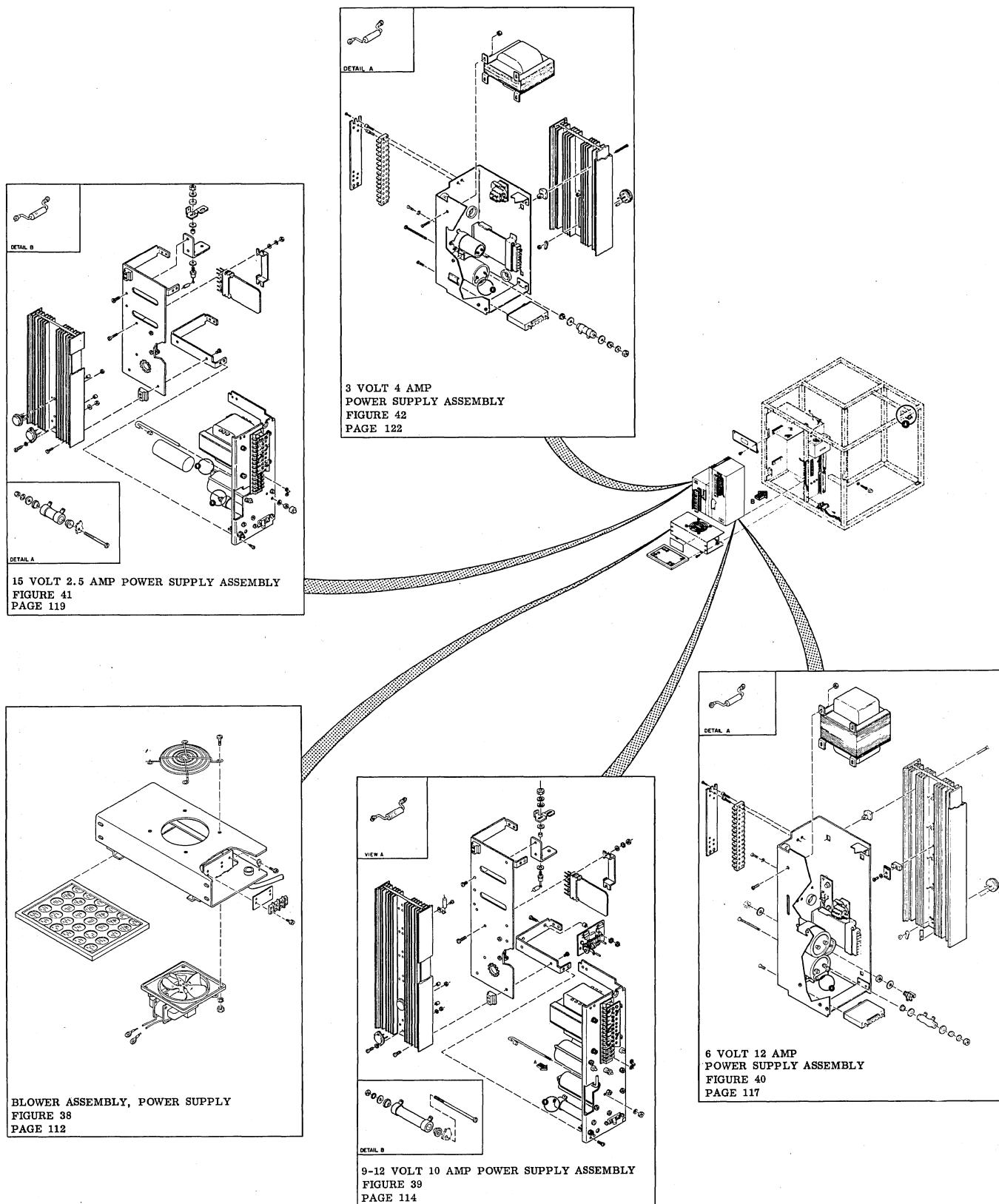












GLOSSARYAR

As Required (AR) in the unit per assembly column denotes that the quantity is used as required.

*ASTERISK

An asterisk in the left margin of the list indicates a part changed in the latest revision of the catalog.

ATT PT

Attaching Parts: These parts are used to attach a component or a subassembly to an assembly. The attaching parts are listed immediately following the component or subassembly to be attached.

INDENTION

The relationship of a part to its next higher assembly is indicated by indentions. For example:

1 2 3 4

- Assemblies and Detail Parts of Unit
- Attaching Parts for Assemblies & Detail Parts
- • Subassemblies
- • Attaching Parts for Subassemblies
- • • Detail Parts for Subassemblies, etc.

☒ LOZENGE

The lozenge in the part number column denotes the part is non-procurable and that the next higher assembly should be ordered.

NP

The entry NP in the part number column denotes the part is non-procurable and that the next higher assembly should be ordered.

NO NO.

When this indication appears in the part number column, it denotes a group of parts for which no part number has been assigned.

REF

This entry in the units per assembly column denotes an assembly which is completely assembled on a preceding illustration. Quantities for such items are found in its next higher assembly.

SIMILAR ASSEMBLIES

If two assemblies contain a majority of identical parts, they are broken down on the same list. Common parts are shown by one index number. Parts peculiar to one or the other of the assemblies are listed separately and identified by Usable On Code or distinguished by an additional descriptive line.

USABLE ON CODE

Part application and interchangeability is indicated by the usable on code. If this column is blank, the parts pertain to all equipment(s) covered. Two types of codes are used. The alphabetic code denotes similar assemblies and/or features: the numeric code denotes level. Refer to the beginning of each list for the explanation of the code(s).

VISUAL INDEX

The Visual Index, located at the front of the parts catalog, is a pictorial guide to each figure of the catalog where you can locate the desired part and part number.

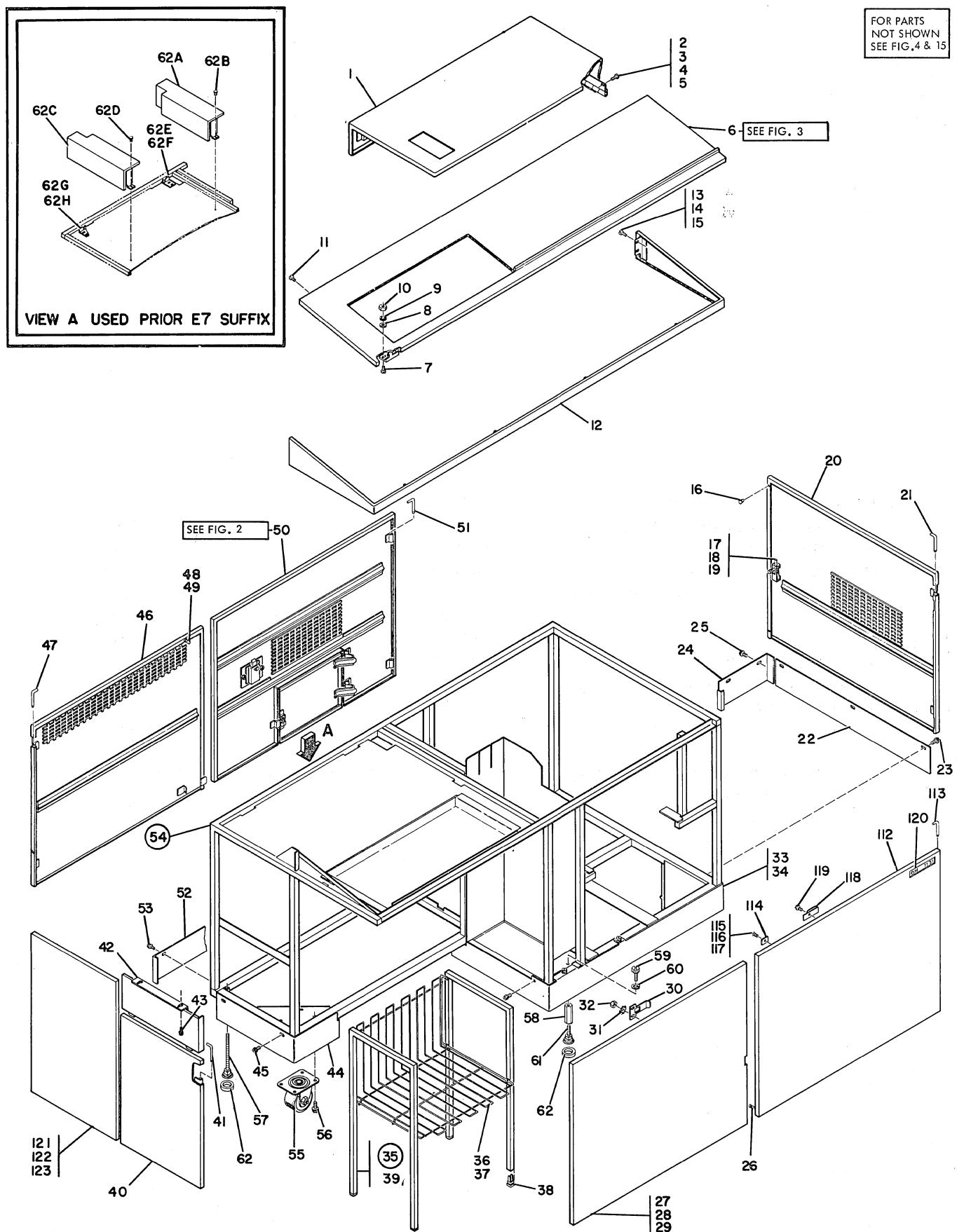
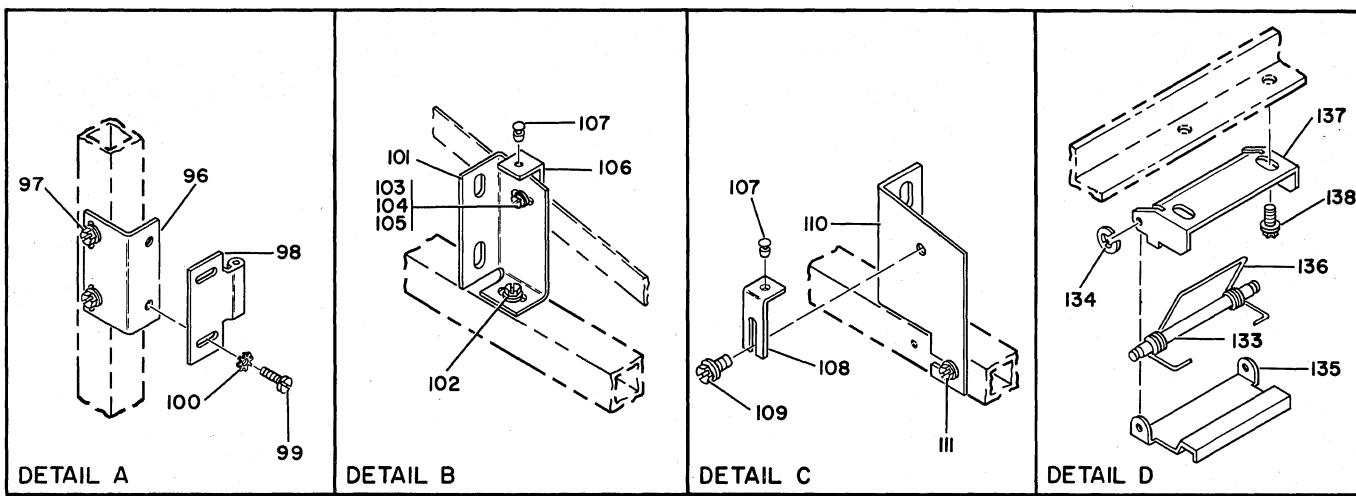


FIGURE 1. FRAME AND COVER GROUP. SHEET 1 OF 2, INDEX NOS. 1-62H AND 112-123. SEE LIST 1.



FOR PARTS
NOT SHOWN
SEE FIG. 4 & 15

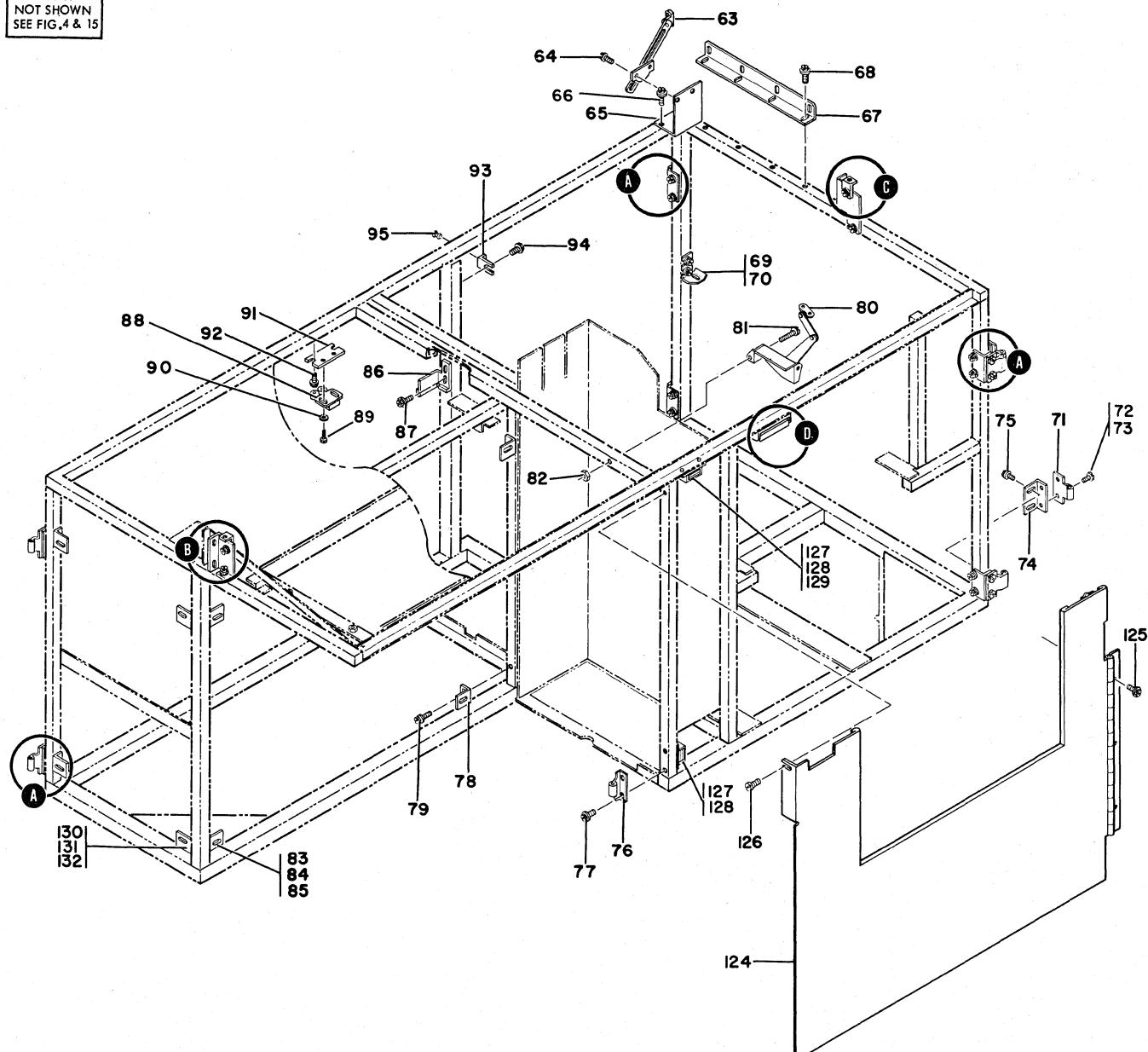


FIGURE 1. FRAME AND COVER GROUP. SHEET 2 OF 2, INDEX NOS. 63-111 AND 124-138. SEE LIST 1.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
1 -			FRAME AND COVER GROUP		
			CODE A USED WITH DISK/SCA ATTACHMENT CODE B USED WITH NO DISK/SCA ATTACHMENT CODE C USED WITH 4K + 8K STORAGE ONLY		
			CODE 1 USED ON ASM PRIOR TO A6 SUFFIX CODE 2 USED ON ASM A6 TO CURRENT CODE 3 USED ON ASM PRIOR TO E7 SUFFIX CODE 4 USED AFTER E7 SUFFIX TO PRESENT		
-	2190500	NP	FRAME AND COVER GROUP FOR ILLUSTRATION SEE FIGURE 1 FOR FURTHER BREAKDOWN SEE LIST 4 AND 15	NP	
- 1	2191153		• COVER ASM, TOP RIGHT REAR PARTS OF THIS ASM ARE NOT REPLACEABLE	1	
- 2	34512		• SCREW, MACH-BIND HD 8-32 X 3/8 LG	ATT PT	4
- 3	22478		• WASHER, FL - 0.170 ID 0.375 OD 0.032 THK	ATT PT	4
- 4	55901		• WASHER, LOCK, EXT TEETH - .176 DIA	ATT PT	4
- 5	257189		• NUT, HEX 8-32	ATT PT	4
- 6	2190597		• TABLE TOP ASM FOR DETAIL BREAKDOWN SEE LIST 3	1	
- 7	32042		• SCREW, MACH BIND, HD 10-32 X 3/8 LG.	ATT PT	4
- 8	45690		• WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	ATT PT	4
- 9	56079		• WASHER-LOCK, EXT T .204 ID .410 OD	ATT PT	4
- 10	11598		• NUT, HEX 10-32	ATT PT	4
- 11	58207		• SCREW, BD HD MACH-8-32 NC-2A X .250 LG	ATT PT	4
- 12	2190596		• TRIM, TABLE TOP		1
- 13	32042		• SCREW, MACH BIND. HD 10-32 X 3/8 LG.	ATT PT	8
- 14	56079		• WASHER-LOCK, EXT T .204 ID .410 OD	ATT PT	8
- 15	11598		• NUT, HEX 10-32	ATT PT	8
- 16	1108505		• BUMPER		2
- 17	528014		• PIN-LATCH		1
- 18	528013		• STUD-LATCH		1
- 19	528012		• SPRING, HELICAL, COMPR		1
- 20	2190578		• COVER, RIGHT END PARTS OF THIS ASM ARE NOT REPLACEABLE		1
- 21	2190586		• PIN, HINGE		2
- 22	2190620		• KICKSTRIP, LEFT SIDE		1
- 23	159494		• SCREW, BIND HD, 10-32 X 1/4 LG	ATT PT	3
- 24	2190619		• KICKSTRIP, RIGHT REAR		1
- 25	159494		• SCREW, BIND HD, 10-32 X 1/4 LG	ATT PT	2
- 26	1108505		• BUMPER		1
- 27	2191184		• COVER ASM, LEFT FRONT		1
- 27	2190567		• COVER ASM, LEFT FRONT PARTS OF THIS ASM ARE NOT REPLACEABLE		1
- 28	34512		• SCREW, MACH-BIND HD 8-32 X 3/8 LG	ATT PT	4
- 29	55901		• WASHER, LOCK, EXT TEETH - .176 DIA	ATT PT	4
- 30	2190858		• CATCH, COVER PS		1
- 31	56079		• WASHER-LOCK, EXT T .204 ID .410 OD	ATT PT	2
- 32	11598		• NUT, HEX 10-32	ATT PT	2
- 33	2243320		• KICKSTRIP, RIGHT FRONT		1
- 34	159494		• SCREW, BIND HD, 10-32 X 1/4 LG	ATT PT	3
- 35	2243650		• STAND ASM, CONTINUOUS FORMS		1
- 36	2243651		• SHELF, CONTINUOUS FORMS		1
- 37	738378		• SCREW, THD FORMING, PAN HD, 8-32 X .250	ATT PT	6
- 38	737967		• GLIDE		4
- 39	2243652		• LEG		2
- 40	2190870		• COVER, LEFT MID LOWER		1
- 41	2190586		• PIN, HINGE		2
- 42	2190869		• COVER, LEFT MID UPPER		1
- 43	5319854		• SCREW, SELF TAPPING, 8-32 X .375 LONG	ATT PT	2
- 44	2190979		• KICKSTRIP, LEFT SIDE		1
- 45	159494		• SCREW, BIND HD, 10-32 X 1/4 LG	ATT PT	2
- 46	2190571		• COVER, LEFT REAR		1
- 47	2190586		• PIN, HINGE		2
- 48	609551		• STUD, COVER LOCK		1
- 49	257189		• NUT, HEX 8-32	ATT PT	1
- 50	2190577		• COVER ASM, RIGHT REAR FOR DETAIL BREAKDOWN SEE LIST 2		1
- 51	2190586		• PIN, HINGE		2
- 52	2190618		• KICKSTRIP, LEFT REAR		1
- 53	159494		• SCREW, BIND HD, 10-32 X 1/4 LG	ATT PT	3

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
				ATT PT	ATT PT
FRAME AND COVER GROUP -CONT					
1 - 54	2243312		• FRAME ASM,MAIN		1
- 55	513271		• CASTER,SWIVEL- 3 IN. WHL W/MTG PLATE		3
- 56	5353301		• SCREW-THREAD FORMING, HEX. WASHER HEAD	ATT PT	12
- 57	2162665		• BOLT,LEVELER,.500-13 UNC X 6.0 LG		2
- 58	2243123		• SPACER NUT,HEX 1.0 X 2.44,.500-13UNC		1
- 59	26299		• SCREW,MACH-HEX HD 1/2-13 X 1 LG	ATT PT	1
- 60	120987		• WASHER,LOCK-SPLIT 0.509 ID X 0.879 OD	ATT PT	1
- 61	2191786		• BOLT-SQUARE NECK,1/2-13 X 2 LG		1
- 62	2162666		• CUP		3
- 62A	2190611		• COVER,UPPER MIDDLE		1
- 62B	3696		• NUT	ATT PT	1 3
- 62C	2190614		• COVER,UPPER LEFT		1 3
- 62D	3696		• NUT	ATT PT	1 3
- 62E	2190868		• GUIDE,UPPER CENTER COVER		1 3
- 62F	2181004		• SCREW,THREAD FORMING-HEX WASHER HD	ATT PT	2 3
- 62G	2190867		• GUIDE,UPPER LEFT COVER		1 3
- 62H	2181004		• SCREW,THREAD FORMING-HEX WASHER HD	ATT PT	2 3
- 63	2190875		• STAY ARM-COVER		1
PARTS OF THIS ASM ARE NOT REPLACEABLE					
- 64	731629		• SCREW,PAN HD- 10-32 X 0.380 LG	ATT PT	4
- 65	2243640		• BRACKET,STAY BRACE UPPER RT COVER		1
- 65	2190859		• BRACKET,STAY BRACE UPPER RT COVER		1
- 66	2181004		• SCREW,THREAD FORMING-HEX WASHER HD	ATT PT	4
- 67	2190874		• BRACKET,COVER UPPER RT		1
- 68	2181004		• SCREW,THREAD FORMING-HEX WASHER HD	ATT PT	4
- 69	2190861		• BRACKET,LATCH-RIGHT END COVER		1
- 70	2181004		• SCREW,THREAD FORMING-HEX WASHER HD	ATT PT	2
- 71	2190583		• HINGE,COVER		2
- 72	34512		• SCREW,MACH-BIND HD 8-32 X 3/8 LG	ATT PT	4
- 73	55901		• WASHER, LOCK, EXT TEETH - .176 DIA	ATT PT	4
- 74	2190584		• BRACKET,HINGE		2
- 75	2181004		• SCREW,THREAD FORMING-HEX WASHER HD	ATT PT	4
- 76	2243019		• HINGE,COVER		2
- 77	371		• SCREW,MACH-RH 10-32 X 1/4 LG	ATT PT	4
- 78	2190579		• BRACKET,COVER LEFT FRONT		1
- 79	5319854		• SCREW, SELF TAPPING, 8-32 X .375 LONG	ATT PT	1
- 80	2190711		• BRACE,STAY-RH TOP COVER		1
PARTS OF THIS ASM ARE NOT REPLACEABLE					
- 81	10170		• SCREW-MACH,BIND HD NO. 6-32 X .250 LG	ATT PT	2
- 81	438587		• SCREW,MACH-BIND HD 8-32 X 1-1/8 LG	ATT PT	1
- 81	2181004		• SCREW,THREAD FORMING-HEX WASHER HD	ATT PT	1
- 82	257189		• NUT, HEX 8-32	ATT PT	1
- 83	2190579		• BRACKET,COVER LEFT FRONT		4
- 84	2181004		• SCREW,THREAD FORMING-HEX WASHER HD	ATT PT	4
- 85	2108798		• WASHER,FLAT .062 X .50 OD X .203 ID	ATT PT	4
- 86	2191028		• CATCH,BRACKET LATCH		1
- 87	2181004		• SCREW,THREAD FORMING-HEX WASHER HD	ATT PT	2
- 88	609549		• CATCH, HINGE COVER		1
- 89	32042		• SCREW, MACH BIND. HD 10-32 X 3/8 LG.	ATT PT	2
- 90	56079		• WASHER-LOCK,EXT T .204 ID .410 OD	ATT PT	2
- 91	2190605		• PLATE,CATCH MTG		1
- 92	5319888		• SCREW, SELF TAPPING, 10-32 X .625 LONG	ATT PT	2
- 93	2190581		• BRACKET,COVER STOP		2
- 94	2181004		• SCREW,THREAD FORMING-HEX WASHER HD	ATT PT	2
- 95	208529		• BUMPER,RUBBER-FOR 3/16 HOLE		2
- 96	2190585		• BRACKET,HINGE COVER		6
- 97	2181004		• SCREW,THREAD FORMING-HEX WASHER HD	ATT PT	12
- 98	2190583		• HINGE,COVER		6
- 99	34512		• SCREW,MACH-BIND HD 8-32 X 3/8 LG	ATT PT	8
- 99	25627		• SCREW,MACH-BIND HD 8-32 X 1/2 LG	ATT PT	4
- 100	55901		• WASHER, LOCK, EXT TEETH - .176 DIA	ATT PT	12
- 101	2190594		• BRACKET,TRIM MTG		1
- 102	2181004		• SCREW,THREAD FORMING-HEX WASHER HD	ATT PT	1
- 103	55918		• SCREW,MACH-BIND HD 10-32 X 5/8 LG	ATT PT	1
- 104	56079		• WASHER-LOCK,EXT T .204 ID .410 OD	ATT PT	1
- 105	11598		• NUT, HEX 10-32	ATT PT	1
- 106	2190581		• BRACKET,COVER STOP		1
- 107	208529		• BUMPER,RUBBER-FOR 3/16 HOLE		2
- 108	2190581		• BRACKET,COVER STOP		1
- 109	2181004		• SCREW,THREAD FORMING-HEX WASHER HD	ATT PT	1
- 110	2190593		• BRACKET,TRIM MTG		1
- 111	2181004		• SCREW,THREAD FORMING-HEX WASHER HD	ATT PT	1

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS	USABLE ON CODE				
				PER ASM.					
FRAME AND COVER GROUP -CONT									
THE FOLLOWING PARTS ARE FEATURES ONLY									
1 -112	2190846		COVER,RIGHT FRONT-GRAY	1					
-112	2190588		COVER,RIGHT FRONT-RED	1					
-112	2190847		COVER,RIGHT FRONT-BLUE	1					
-112	2190848		COVER,RIGHT FRONT-YELLOW	1					
-113	2190586		PIN,HINGE	2					
-114	COMM		PLATE,MAGNET	1	A				
			PURCHASED WITH 2132050 MAGNETIC LATCH						
-115	316807		SCREW,MACH-FH,NO. 6-32 X .375 LG	ATT PT	1 A				
-116	56722		WASHER-LOCK,EXT T, .150 ID	ATT PT	1 A				
-117	257187		NUT,HEX 6-32 NC	ATT PT	1 A				
-118	2190901		STRIKER,COVER LATCH		B				
-119	5319854		SCREW, SELF TAPPING, 8-32 X .375 LONG	ATT PT	1 B				
-120	2190537		NAME PLATE,1131 PROCESSOR- ENGLISH						
-120	2190999		NAME PLATE,1131 UNITE DE TRAITEMENT- FRENCH						
-120	2190997		NAME PLATE,1131 ZENTRALEIHEIT- GERMAN						
-121	2191185		COVER,LEFT END						
-121	2190591		COVER,LEFT END		2C				
-122	34512		SCREW,MACH-BIND HD 8-32 X 3/8 LG	ATT PT	1 IC				
-123	55901		WASHER, LOCK, EXT TEETH - .176 DIA	ATT PT	4 C				
-124	2197318		COVER,INTERNAL FRONT		A				
-125	5373221		SCREW,PANEL MOUNTING	ATT PT	3 A				
-126	58207		SCREW, BD HD MACH-8-32 NC-2A X .250 LG	ATT PT	1 A				
-127	2132050		LATCH-MAGNETIC						
-128	10170		SCREW-MACH,BIND HD NO. 6-32 X .250 LG	ATT PT	4 A				
-129	257986		WASHER,FLAT NO. 6	ATT PT	AR A				
-130	2190579		BRACKET,COVER LEFT FRONT		C				
-131	2181004		SCREW,THREAD FORMING-HEX WASHER HD	ATT PT	4 C				
-132	2108798		WASHER,FLAT .062 X .50 OD X .203 ID	ATT PT	4 C				
-133	602488		SHAFT, CARD RETAINING LEVER, 2-7/8 LG		B				
-134	1073418		RING-RETAINING	ATT PT	2 B				
-135	2145159		HANDLE, COVER LATCH		B				
-136	2145158		SPRING, COVER LATCH		B				
-137	2191009		BRACKET,COVER LATCH		B				
-138	2181004		SCREW,THREAD FORMING-HEX WASHER HD		B				

FOR PARTS
NOT SHOWN
SEE FIG. 1

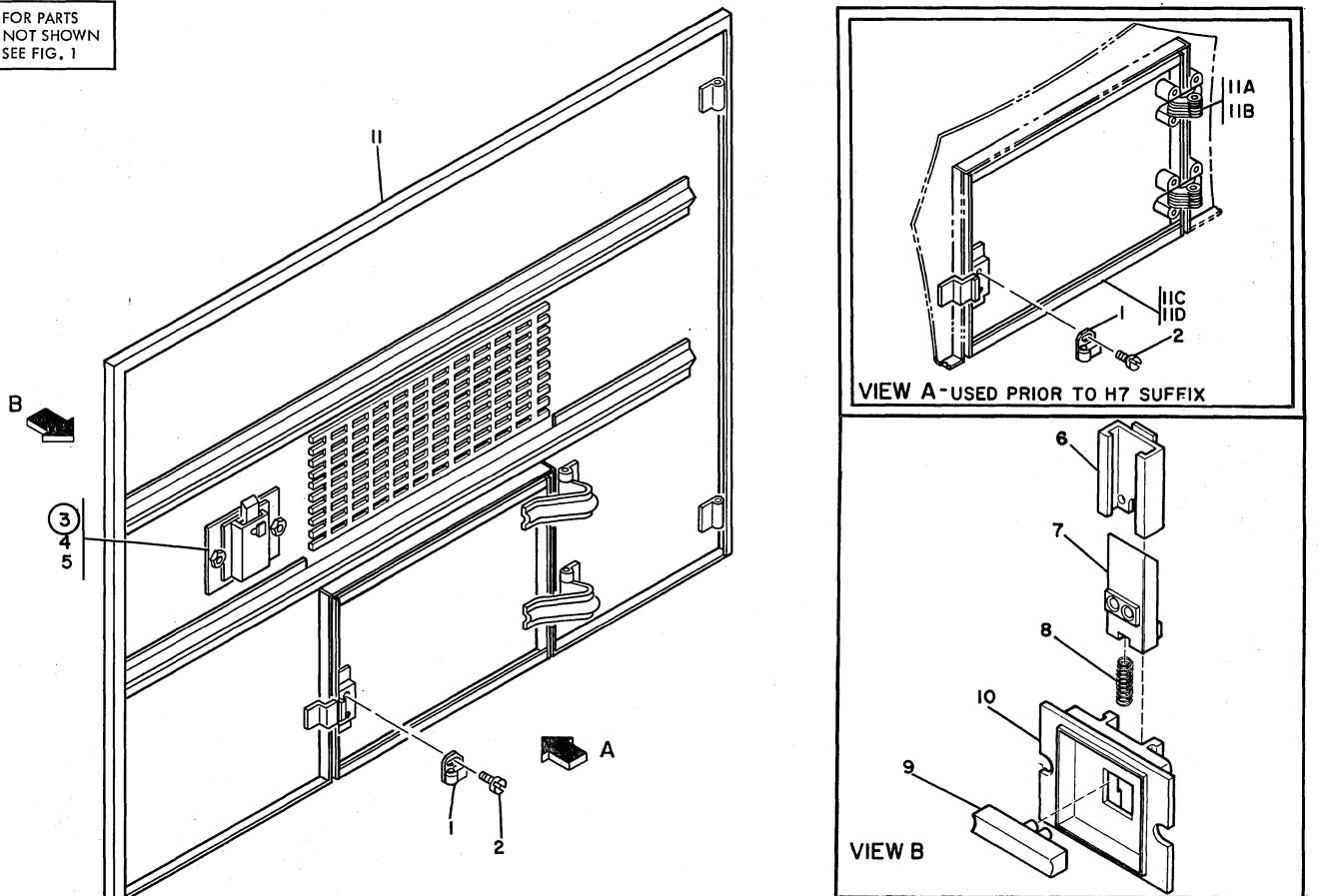


FIGURE 2. RIGHT REAR COVER ASSEMBLY. SEE LIST 2.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
				ATT PT	ATT PT
			RIGHT REAR COVER ASSEMBLY		
2 -			CODE 1 USED PRIOR TO H7 SUFFIX		
-	2190577		RIGHT REAR COVER ASSEMBLY FOR ILLUSTRATION SEE FIGURE 2 FOR NEXT HIGHER ASM SEE LIST 1-50	1	
- 1	513668		• CATCH, FRICTION LATCH	1	
- 2	10170		• SCREW-MACH, BIND HD NO. 6-32 X .250 LG	2	
- 3	2191006		• LATCH ASM, DOMESTIC	1	
- 3	2191014		• LATCH ASM, WTC	1	
- 4	257189		• NUT, HEX 8-32	2	
- 5	183841		• WASHER-SPRING	2	
- 6	2190973		• RETAINER, LATCH	1	
- 7	2190972		• BOLT, LATCH	1	
- 8	2191007		• SPRING-COMPRESSION	1	
- 9	2190974		• HANDLE, LATCH	1	
- 10	2190971		USED WITH ASM 2191006 ONLY		
- 11	2190570		• HOUSING, LATCH	1	
			• COVER ASM, RIGHT REAR	1	
			PARTS OF THIS ASM ARE NOT REPLACEABLE		
- 11A	2111930		• HINGE, INVISIBLE	2	1
- 11B	255629		• SCREW, THD CTG-FL CSK HD NO. 6 X 1/2 LG	4	1
- 11C	2190805		• COVER, CABLE ACCESS	1	1
- 11D	255629		• SCREW, THD CTG-FL CSK HD NO. 6 X 1/2 LG	4	1

FOR PARTS
NOT SHOWN
SEE FIG. 1

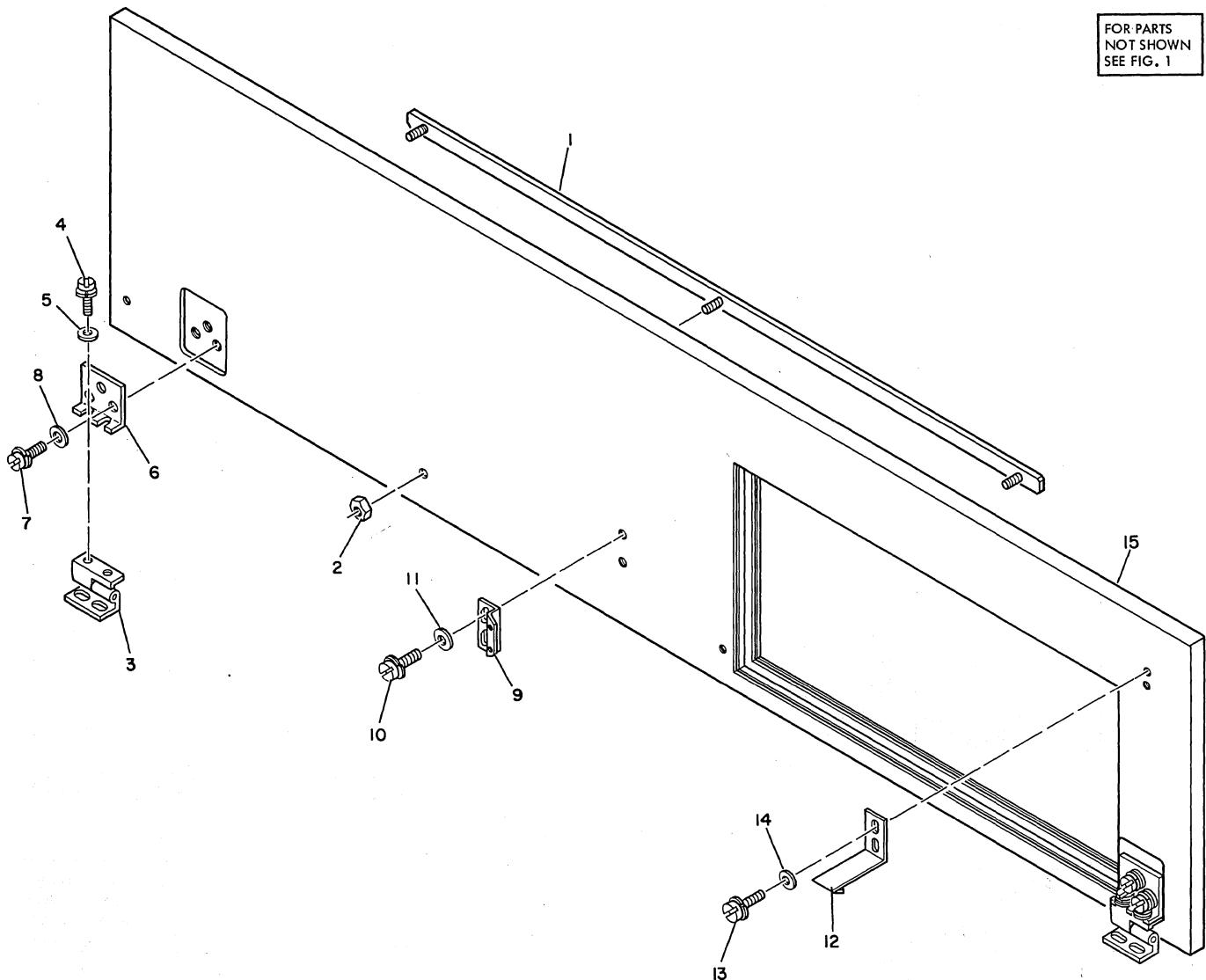


FIGURE 3. TABLE TOP ASSEMBLY. SEE LIST 3.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			TABLE TOP ASSEMBLY		
3 -	2190597		TABLE TOP ASSEMBLY FOR ILLUSTRATION SEE FIGURE 3 FOR NEXT HIGHER ASM SEE LIST 1-6	1	
- 1	2190863		• BAR, TABLE TOP PARTS OF THIS ASM ARE NOT REPLACEABLE	1	
- 2	257189		• NUT, HEX 8-32	3	
- 3	2190598		• HINGE ASM, TABLE TOP PARTS OF THIS ASM ARE NOT REPLACEABLE	2	
- 4	234317		• SCREW, ASMD WASHER-FIL H 8-32 X 5/16 LG	4	
- 5	22478		• WASHER, FL - 0.170 ID 0.375 OD 0.032 THK	4	
- 6	2190599		• BRACKET, HINGE TABLE TOP	2	
- 7	234330		• SCREW, MACH-RH 10-32 X 0.438 LG	5	
- 8	45690		• WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	5	
- 9	2190602		• BRACKET, STAY BRACE MTG	1	
- 10	234330		• SCREW, MACH-RH 10-32 X 0.438 LG	2	
- 11	45690		• WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	2	
- 12	2243646		• CATCH	1	
- 13	234330		• SCREW, MACH-RH 10-32 X 0.438 LG	2	
- 14	45690		• WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	2	
- 15	2243647		• TABLE TOP	1	

FOR PARTS
NOT SHOWN
SEE FIG. 1 & 15

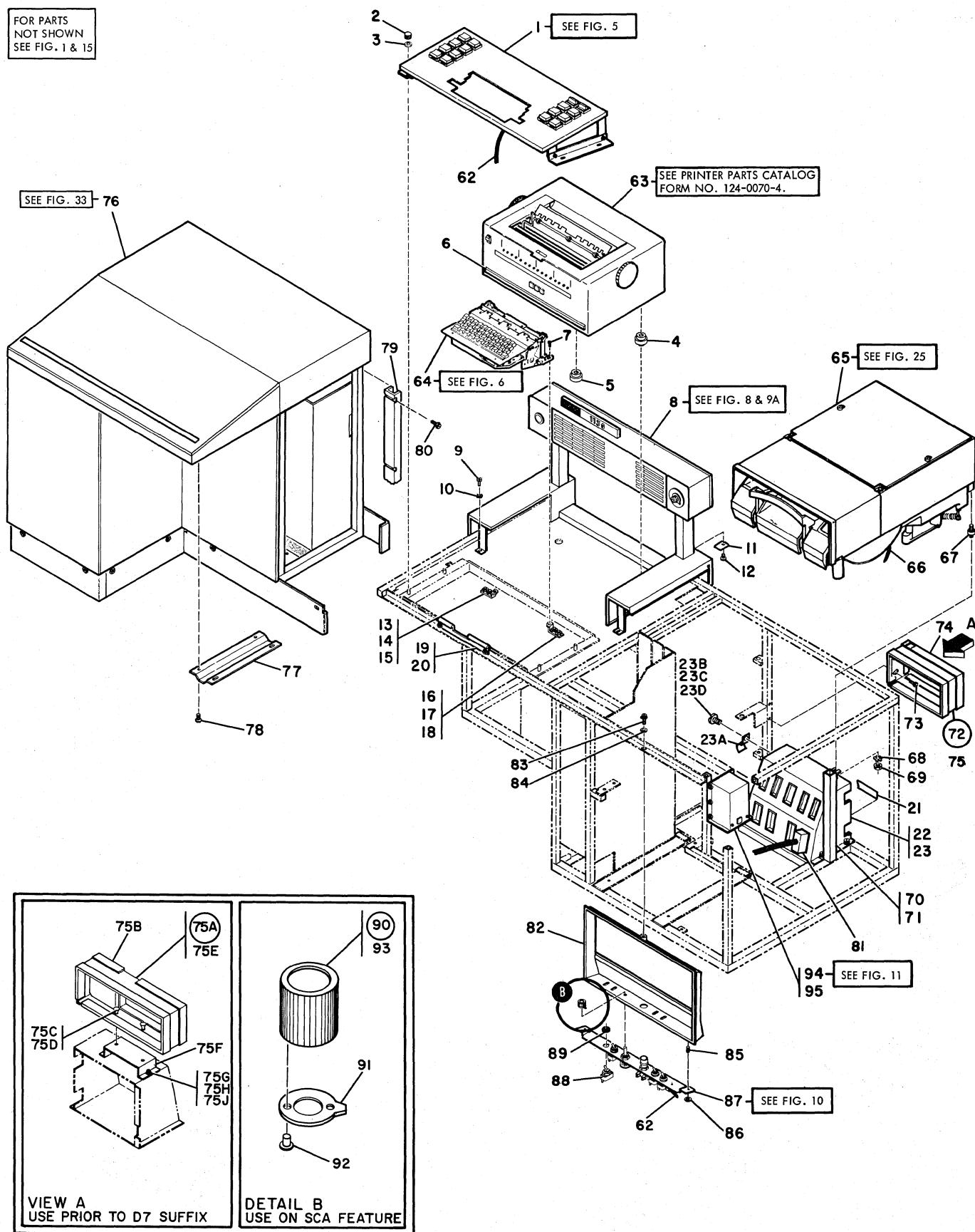


FIGURE 4. CPU BASIC FINAL ASSEMBLY. SHEET 1 OF 2, INDEX NOS. 1-23D AND 62-95. SEE LIST 4.

FOR PARTS
NOT SHOWN
SEE FIG. 1 & 15

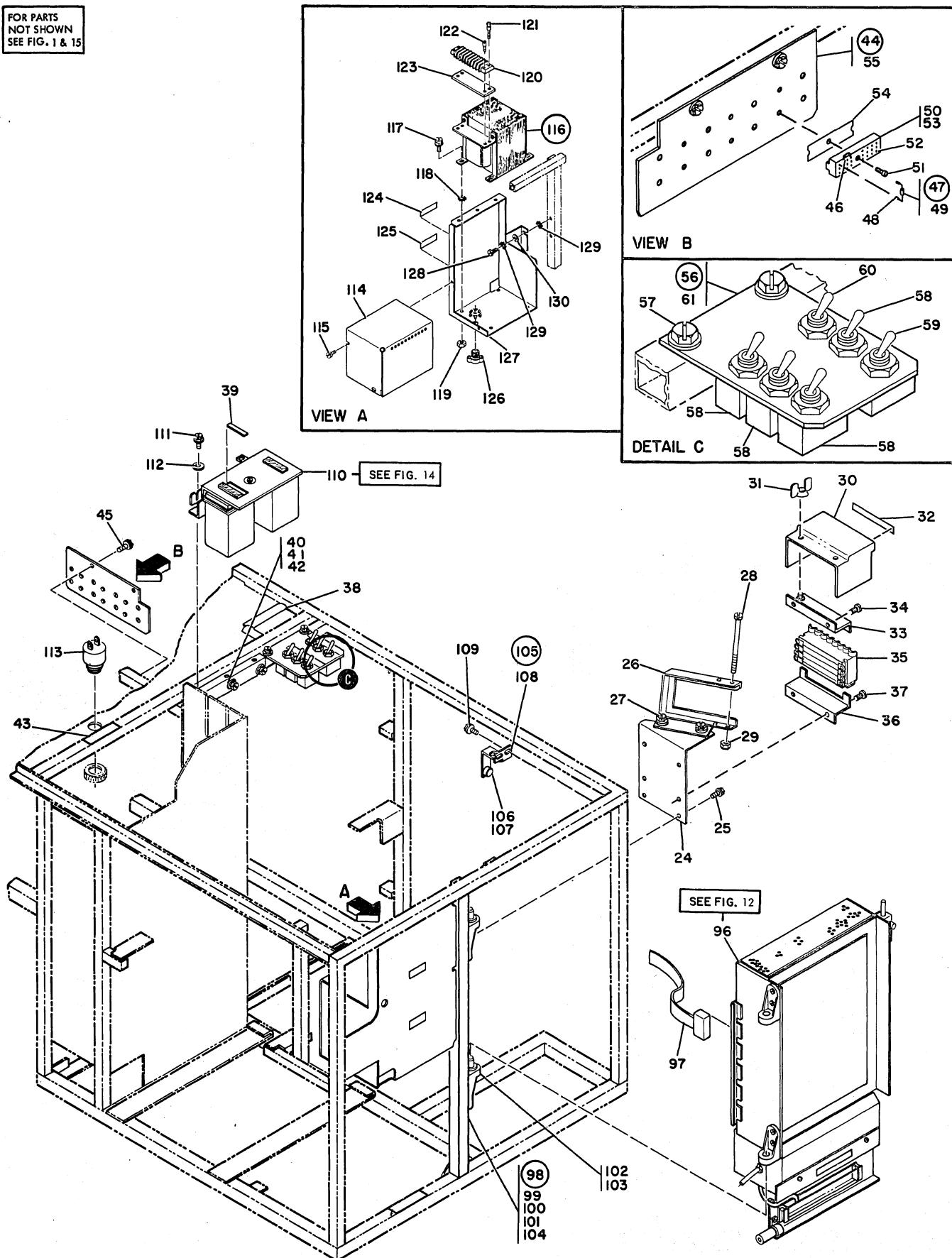


FIGURE 4. CPU BASIC FINAL ASSEMBLY. SHEET 2 OF 2, INDEX NOS. 24-61 AND 96-130. SEE LIST 4.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			CPU BASIC FINAL ASSEMBLY		
4 -			CODE A USED ON DISK STORAGE ATTACHMENT CODE B USED ON SCA ATTACHMENT ONLY CODE C USED ON 208/230 60 CY ATTACHMENT		
			CODE 1 USED PRIOR TO D7 SUFFIX CODE 2 USED FROM D7 TO PRESENT CODE 3 USED PRIOR TO S6 SUFFIX CODE 4 USED FROM S6 TO PRESENT CODE 5 USED PRIOR TO F8 SUFFIX CODE 6 USED FROM F8 TO PRESENT		
-	2190500	NP	FINAL ASM, CPU BASIC FOR ILLUSTRATION SEE FIGURE 4 FOR FURTHER BREAKDOWN SEE LISTS 1 AND 15	NP	
- 1	2191168		• KEYBOARD PANEL ASM,BASIC FOR DETAIL BREAKDOWN SEE LIST 5	1	
- 2	11598		• NUT, HEX 10-32	4	
- 3	45690		• WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	4	
- 4	2243235		• STANDOFF,REAR	2	
- 5	2243234		• STANDOFF,FRONT	2	
- 6	596756		• SEAL,FOAM,.38 TH X .50 W X SPECIFY LGTH.	AR	
- 7	58207		• SCREW, BD HD MACH-8-32 NC-2A X .250 LG	2	
- 8	2243284		• DISPLAY PANEL ASM FOR DETAIL BREAKDOWN SEE LIST 8	1	6
- 8	2190555		• DISPLAY PANEL ASM FOR DETAIL BREAKDOWN SEE LIST 9A	1	5
- 9	91611		• SCREW,THD CUT-BIND HD NO. 10 X 1/2 LG	2	
- 10	56079		• WASHER-LOCK,EXT T .204 ID .410 OD	2	
- 11	2243642		• TAB-LOCK	2	2
- 12	91611		• SCREW,THD CUT-BIND HD NO. 10 X 1/2 LG	2	
- 13	2190640		• BRACKET,KEYBOARD-LEFT REAR MOUNTING	1	
- 14	11598		• NUT, HEX 10-32	2	
- 15	45690		• WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	2	
- 16	2190639		• BRACKET,KEYBOARD-RIGHT REAR MOUNTING	1	
- 17	11598		• NUT, HEX 10-32	2	
- 18	45690		• WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	2	
- 19	2190638		• HOLDER,KEYBOARD FRONT	1	
- 20	2181004		• SCREW,THREAD FORMING-HEX WASHER HD	2	
- 21	2191140		• LABEL	1	
- 22	2191104		• HOUSING-I.O.	1	
- 23	2181004		• SCREW,THREAD FORMING-HEX WASHER HD	4	
- 23A	523250		• CLAMP-ADJUSTABLE CABLE	1	
- 23B	731629		• SCREW,PAN HD- 10-32 X 0.380 LG	1	
- 23C	9092		• WASHER-LOCK,SPLIT RING, .194 ID .337OD	1	
- 23D	11598		• NUT, HEX 10-32	1	
- 24	2190789		• BRACKET-I/O C.E.	1	
- 25	2181004		• SCREW,THREAD FORMING-HEX WASHER HD	2	
- 26	2190787		• HOLDER,SMS BLOCK	1	
- 27	32042		• SCREW, MACH BIND. HD 10-32 X 3/8 LG.	2	
- 28	2122638		• SCREW,MACH-RH 8-32 X 3.75 IN. LG	1	
- 29	324773		• NUT WING DELAY LINE MTG	1	
- 30	734488		• COVER,CARD	1	
- 31	2190927		• NUT,WING-COVER 6-32 THD	1	
- 32	2190898		• PLATE DESIGNATION-CONN BLOCK	1	
- 33	5240494		• BRACKET,CARD BLOCK MTG ASM	1	
- 34	55726		PARTS OF THIS ASM ARE NOT REPLACEABLE		
- 35	2190806		• SCREW,MACH-BIND HD 6-32 X .188 LG	2	
			• BLOCK ASM-SMS POWER CBM	1	
			PARTS OF THIS ASM ARE NOT REPLACEABLE		
- 36	5240464		• BRACKET,CARD BLOCK MTG	1	
- 37	55726		• SCREW,MACH-BIND HD 6-32 X .188 LG	2	
- 38	124822		• CHANNEL	6	
- 39	5371671		• LABEL-METER	1	
- 40	2197166		• BRACKET ASM,METER	1	
			PARTS OF THIS ASM ARE NOT REPLACEABLE		
- 41	5319888		• SCREW, SELF TAPPING, 10-32 X .625 LONG	3	
- 42	23141		• WASHER,FL-NO. 10 X 9/16 OD X 1/16 THK	3	
- 43	124943		• LABEL-HAZARDOUS AREA	3	
- 44	2190791		• TERMINAL AND RESISTOR ASM	1	
- 45	2181004		• SCREW,THREAD FORMING-HEX WASHER HD	2	
- 46	205331		• JUMPER-RELAY GATES UNIT 1/8 BRASS	1	
- 47	2123791		• RESISTOR ASM,470 OHM,PM 5 PC,0.5 W	20	
- 48	320167		• . . . TERMINAL,QUICK DISCONNECT-NCNINS 16AWG	2	
- 49	317011		• . . . RESISTOR,FXD,COMP- 470 OHMS P/M 5% 1/2W	1	

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
CPU BASIC FINAL ASSEMBLY -CONT					
4 - 50	302090		• . TERMINAL BLOCK ASM-24 FEMALE CONTACTS		6
- 51	438549		• . SCREW,MACH-BIND HD 4-40 X 7/16 LG	ATT PT	6
- 52	302089		• . SPRING-TERMINAL BOARD CONTACT		8
- 53	302088		• . BLOCK,TERMINAL		1
- 54	302131		• . STRIP-TERMINAL BLOCK INSULATOR		6
- 55	2190795		• . BRACKET,RESISTOR TERMINAL		1
- 56	2243044		• . SWITCH ASM,CE		1
- 56	2191076		• . SWITCH ASM,CE		1
- 57	2181004		• . SCREW,THREAD FORMING-HEX WASHER HD	ATT PT	2
- 58	2197191		• . SWITCH,TOGGLE,SPST,MAINTAINED		4
- 58	1166086		• . SWITCH,TOGGLE,SPDT,MAINTAINED		4
- 59	2197192		• . SWITCH,TOGGLE,DPST,OPEN POSITION		3
- 59	839529		• . SWITCH,TOGGLE-CBM DPDT		1
- 60	2197193		• . SWITCH,TOGGLE,DPDT,MOMENTARY		1
- 60	555091		• . SWITCH,PUSH,DPDT,MOMENTARY		1
- 61	2243045		• . BRACKET,SWITCH		1
- 61	2191066		• . BRACKET,SWITCH		1
THE FOLLOWING PARTS ARE FEATURES ONLY					
- 62	2191343		CABLE ASM,SCA SWITCH TO C GATE		1
- 63	NO NO.		CONSOLE PRINTER ASM FOR DETAIL BREAKDOWN SEE PARTS CATALOG FORM NO. 124-0070-4		REF
- 64	2190740		KEYBOARD ASM,ENGLISH,DOMESTIC		1
- 64	8109194		KEYBOARD ASM,ENGLISH,UNITED KINGDOM		1
- 64	8107886		KEYBOARD ASM,FRENCH		1
- 64	8109274		KEYBOARD ASM,BELGIUM		1
- 64	8107907		KEYBOARD ASM,GERMAN		1
- 64	8109190		KEYBOARD ASM,NORWAY,DENMARK		1
- 64	8109192		KEYBOARD ASM,SPANISH		1
- 64	8109193		KEYBOARD ASM,SWEDEN,FINLAND		1
- 64	8109204		KEYBOARD ASM,ITALY FOR DETAIL BREAKDOWN SEE LIST 6		1
- 65	2219061		13SD ASSEMBLY-60 CYCLE 115 VOLT		1
- 65	2219050		13SD ASSEMBLY-50 CYCLE 208 VOLT FOR DETAIL BREAKDOWN SEE LIST 25		A
- 66	2191167		CABLE ASM,13 SD TO ON OFF SWITCH FOR COMPONENT PARTS SEE LIST 44-2A,2B 2C,3B,12A,17,17A,24 AND 24A		A
- 66	2191448		CABLE ASM,13SD TO A GATE FOR COMPONENT PARTS SEE LIST 44-34 36,44,63,78A AND 78A		A
- 66	2191165		CABLE ASM,13 SD TO POWER I/O,60 CYCLE FOR COMPONENT PARTS SEE LIST 44-2B 3,90B,90C,92,93,94 AND 95B		A
- 66	2191166		CABLE ASM,13 SD TO POWER I/O,50 CYCLE FOR COMPONENT PARTS SEE LIST 44-2B 3 AND 95B		A
- 67	2154465		MOUNT, SHOCK, 1 IN. DIA X 2.12 LG		A
- 68	25793		NUT,PLAIN,HEX- 5/16-18 X 1/2 FL W	ATT PT	A
- 69	179966		WASHER,LOCK-EXT TEETH 5/16 ID X 0.610 OD	ATT PT	A
- 70	2190878		POST,SUPPORT,SINGLE DISK ASM		A
- 71	5353301		SCREW-THREAD FORMING, HEX. WASHER HEAD	ATT PT	A
- 72	2243649		DUCT ASM,AIR INTAKE		2A
- 73	2181004		SCREW,THREAD FORMING-HEX WASHER HD		2A
- 74	209005		• SEAL,AIR,SPECIFY LENGTH DESIRED		AR
- 75	2243648		• DUCT,AIR INTAKE		1A
- 75A	2190872		DUCT ASM,AIR INTAKE		1A
- 75B	209005		• SEAL,AIR,SPECIFY LENGTH DESIRED		AR
- 75C	2178597		• PLUNGER, NYLATCH		1A
- 75D	2178596		• GROMMET, NYLATCH		1A
- 75E	2190801		• DUCT,AIR INTAKE		1A
- 75F	2190802		BRACKET,DUCT MTG		1A
- 75G	443		SCREW,MACH-FIL H 10-32 X 3/8 LG		1A
- 75H	45690		WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	ATT PT	1A
- 75J	11891		NUT,PLAIN,HEX- 10-32 X 3/8 FL W BRS	ATT PT	1A
- 76	2243300		EXPANDED MEMORY GROUP FOR DETAILBREAKDOWN SEE LIST 33		NP
- 77	2243125		COUPLER,FRONT		1
- 78	2181004		SCREW,THREAD FORMING-HEX WASHER HD	ATT PT	4
- 79	2243124		COUPLER,REAR		1
- 80	2181004		SCREW,THREAD FORMING-HEX WASHER HD		6

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
CPU BASIC FINAL ASSEMBLY -CONT					
4 - 81	2197203		CABLE ASM,INTERNAL SIGNAL,2501 FEATURE FOR CCOMPONENTS SEE LIST 44-1 19,19A,29,30,36,51,63 AND 78B	1	
- 81	2197231		CABLE ASM,AC-DC POWER TO I/O,2501 ATTACH FOR COMPONENTS SEE LIST 44-2B 3,3B,19A,25,29,30,31,53 AND 81A	1	
- 81	2197201		CABLE ASM,INTERNAL SIGNAL,SAC ATTACH FOR COMPONENTS SEE LIST 44-3A 19,19A,29,30,36,44,51,63 AND 78B	1	
- 81	2191105		CABLE ASM,I/O TO GATE A,1132 ATTACH FOR COMPONENTS SEE LIST 44-3A 19,19A,29,30,36,44,51,63 AND 78B	1	
- 81	2193308		CABLE ASM,I/O TO SEQ BOX,1132 ATTACH FOR COMPONENTS SEE LIST 44-2B 3,3B,19A,29,30,31,53 AND 81A	1	
- 81	2191106		CABLE ASM,GATE A TO I/O,1442 ATTACH FOR COMPONENTS SEE LIST 44-3A 19,19A,29,30,36,44,51,63 AND 78B	1	
- 81	2243309		CABLE ASM,SEQ BOX TO I/O,1442 ATTACH FOR COMPONENTS SEE LIST 44-2B 3,3B,19A,29,30,31,53 AND 81A	1	
- 81	2243004		CABLE ASM-SAC EX CUSTOMER DEVICE TO 1131 FOR COMPONENTS SEE LIST 44-18B 29,30,52 AND 56	1	
- 81	2197236		CABLE ASM-SIGNAL,2501 TO 1131 X LENGTH FOR CCOMPONENTS SEE LIST 44-18A,20,27 27A,36,38,44,52,56,63,78B,89 AND 90A	1	
- 81	2197207		CABLE ASM-POWER,2501 TO 1131 X LENGTH FOR COMPONENTS SEE LIST 44-1,2C,18 21,27B,29,30,32,38B,39,48,53A,80,81 81A,81B,83,84,85,86,86A,87,90A	1	
- 82	2191482		BEZEL ASM,WITH SCA/NO DISK,ENGLISH	1	
- 82	2191493		BEZEL ASM,WITH SCA/NO DISK,FRENCH	1	
- 82	2191494		BEZEL ASM,WITH SCA/NO DISK,GERMAN	1	
- 82	2191484		BEZEL ASM,WITH SCA AND DISK,ENGLISH	1	
- 82	2191491		BEZEL ASM,WITH SCA AND DISK,FRENCH	1	
- 82	2191492		BEZEL ASM,WITH SCA AND DISK,GERMAN	1	
- 82	2191483		BEZEL ASM,WITH DISK AND NO SCA,ENGLISH	1	
- 82	2191495		BEZEL ASM,WITH DISK AND NO SCA,FRENCH	1	
- 82	2191496		BEZEL ASM,WITH DISK AND NO SCA,GERMAN PARTS OF THIS ASM ARE NOT REPLACEABLE	1	
- 83	38352		• SCREW,MACH-FIL H 6-32 X 3/8 LG	ATT PT	1
- 84	257986		• WASHER,FLAT NO. 6	ATT PT	1
- 85	257980		• SCREW, HEADLESS SET, 6-32 X 3/4 LG	ATT PT	2
- 86	257986		• WASHER,FLAT NO. 6	ATT PT	2
- 87	2197325		SWITCH ASM,SCA ATTACHMENT FOR DETAIL BREAKDOWN SEE LIST 10	1	B
- 87	2197324		PLATE,SWITCH USED ON DISK AND NO SCA	1	
- 88	734879		SWITCH, TOGGLE, DPDT,	1	A
- 89	179743		NUT,PLAIN,HEX- 15/32-32 X 9/16 FL W	1	A
- 90	5724439		KNOB AND POINTER ASM	1	B
- 91	5724438		• POINTER	1	
- 92	1090623		• PIN	2	
- 93	482220		• ROTARY KNOB ASM	1	
PARTS OF THIS ASM ARE NOT REPLACEABLE					
- 94	740540		METER POWER PAC ASSEMBLY-60 CY	1	
- 94	740609		METER POWER PAC ASSEMBLY-50 CY	1	
FOR DETAIL BREAKDOWN SEE LIST 11					
- 95	5319854		SCREW, SELF TAPPING, 8-32 X .375 LONG	ATT PT	3
- 96	2197308		GATE ASM,C,60 CYCLE	1	B
- 96	2197309		GATE ASM,C,50 CYCLE	1	B
FOR DETAIL BREAKDOWN SEE LIST 12					
- 97	2197240		CABLE ASM,A GATE TO C GATE FOR COMPONENT SEE LIST 44-75 76,77 AND 78	1	B
- 98	2197206		POST ASM,C GATE	1	B
- 99	32617		SCREW, MACH BD HD 10-32 NF X .4375 LG	ATT PT	2
-100	5353301		SCREW-THREAD FORMING, HEX. WASHER HEAD	ATT PT	1
-101	45690		WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	ATT PT	2
-102	225532		• HINGE ASSEMBLY-MALE	2	B
PARTS OF THIS ASM ARE NOT REPLACEABLE					
-103	5353301		• SCREW-THREAD FORMING, HEX. WASHER HEAD	ATT PT	4
-104	2191352		• POST	1	

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			CPU BASIC FINAL ASSEMBLY -CONT		
4 -105	2191344		STOP ASM,GATE	1	B
-106	2132088		• BUMPER	1	
-107	344015		• NUT,SELF LKG,HEX- 6-32 X 5/16 FL W	1	
-108	2191349		• BRACKET,STOP	1	
-109	2181004		SCREW,THREAD FORMING-HEX WASHER HD	2	
-110	2191064		METER ASM-60 CYCLE	2243326	B
-110	2191065		METER ASM-50 CYCLE	2243327	
			FOR DETAIL BREAKDOWN SEE LIST 14		
-111	5319888		SCREW, SELF TAPPING, 10-32 X .625 LONG	3	
-112	23141		WASHER,FL-NO. 10 X 9/16 OD X 1/16 THK	3	
-113	2197244		ALARM,AUDIBLE PULSATING	1	B
-114	2197246		COVER,TRANSFORMER	1	C
-115	34512		SCREW,MACH-BIND HD 8-32 X 3/8 LG	2	C
-116	5708943		TRANSFORMER ASM,208/230 V,60 CYCLES	1	C
-117	234341		SCREW,ASMD WASHER-FIL HD 1/4-20 X 5/8 LG	4	C
-118	76574		WASHER, LOCK-EXT. TEETH .250	2	C
-119	3960		NUT,PLAIN,HEX- 1/4-20 X 7/16 FL W	4	C
-120	2101338		• TERMINAL BLOCK, 5 POSITION	1	
-121	210986		• STUD, SLOTTED 8-32 X 1/2 LG THREAD	3	
-122	210985		• STUD, EXT 8-32 X 1/2 INT 6-32 X 0.19 DP	1	
-123	2101358		• MARKER STRIP 5 POS NOS 1 THRU 5	1	
-124	138754		LABEL,VOLTAGE WARNING	1	C
-125	124943		LABEL-HAZARDOUS AREA	1	C
-126	2100264		RELIEF,CABLE STRAIN	1	C
-127	2197245		SUPPORT,TRANSFORMER	1	C
-128	38686		SCREW,MACH-HEX HD 1/4-20 X 1/2 LG	5	C
-129	76574		WASHER, LOCK-EXT. TEETH .250	7	C
-130	3550		WASHER,FLAT 1/4 ID-9/16-OD-0.05 THICK	5	C

FOR PARTS
NOT SHOWN
SEE FIG. 4

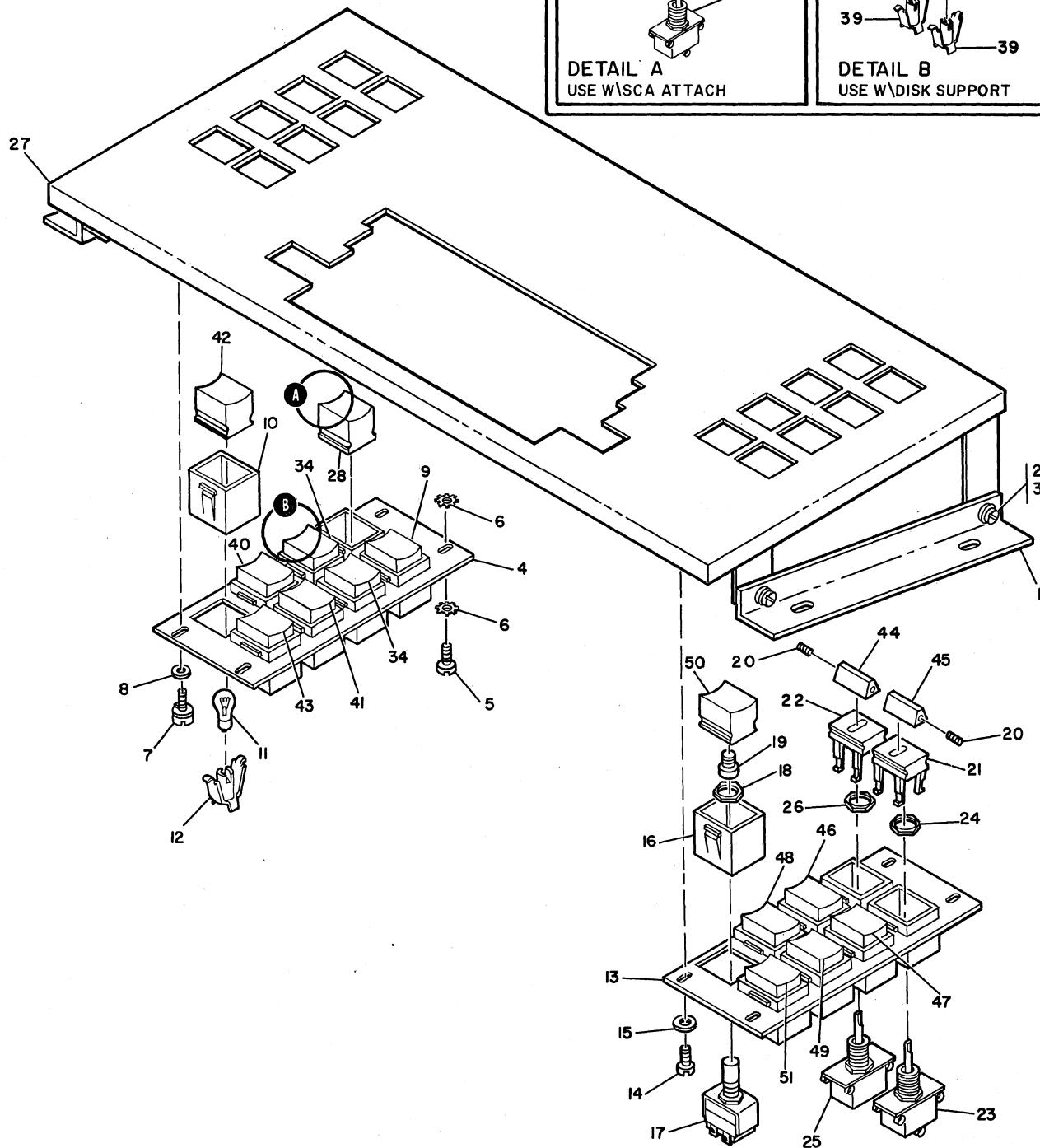


FIGURE 5. BASIC KEYBOARD PANEL ASSEMBLY. SEE LIST 5.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
5 -			BASIC KEYBOARD PANEL ASSEMBLY		
			CODE A USED W/SCA ATTACHMENT FEATURE CODE B USED W/NO SCA ATTACHMENT FEATURE CODE C USED W/NO DISK STORAGE CODE D USED W/DISK STORAGE CODE E USED ON IDIOMATIC GROUP		
-					
-	2191168		BASIC KEYBOARD PANEL ASSEMBLY FOR ILLUSTRATION SEE FIGURE 5 FOR NEXT HIGHER ASM SEE LIST 4-1	REF	
- 1	2190627		ANGLE,PANEL MTG		2
- 2	234318		SCREW,ASMD WASHER-FIL H 8-32 X 3/8 LG	ATT PT	4
- 3	22478		WASHER,FL- 0.170 ID 0.375 OD 0.032 THK	ATT PT	4
- 4	2190626		BRACKET,SWITCH MTG		1
- 5	34512		SCREW,MACH-BIND HD 8-32 X 3/8 LG	ATT PT	1
- 6	55901		WASHER,LOCK, EXT TEETH - .176 DIA	ATT PT	2
- 7	234318		SCREW,ASMD WASHER-FIL H 8-32 X 3/8 LG	ATT PT	3
- 8	22478		WASHER,FL- 0.170 ID 0.375 OD 0.032 THK	ATT PT	3
- 9	827850		LENS,WHITE-BLANK		1
- 10	5373660		HOUSING-SWITCH AND LIGHT		8
- 11	2129665		LAMP,INCANDESCENT- 14V 0.2 AMP		4
- 12	827840		SOCKET, SINGLE CONTACT, BAYONET BASE		4
- 13	2190626		BRACKET,SWITCH MTG		1
- 14	234318		SCREW,ASMD WASHER-FIL H 8-32 X 3/8 LG	ATT PT	4
- 15	22478		WASHER,FL- 0.170 ID 0.375 OD 0.032 THK	ATT PT	4
- 16	5373660		HOUSING-SWITCH AND LIGHT		8
- 17	367182		SWITCH,PUSH- 2 SPDT 125/250V AC 5 AMP		6
- 18	5311437		NUT,SWITCH 0.469-32	ATT PT	6
- 19	5311440		SPRING,BUTTON		6
- 20	1092177		SCREW,MACH-SET 4-40 X 3/16 LG		4
- 21	749046		COVER,TOGGLE SWITCH		1
- 22	5311421		COVER,TOGGLE SWITCH		1
- 23	2190713		SWITCH,TOGGLE-SPDT GOLD CONTACT		1
- 24	5311437		NUT,SWITCH 0.469-32	ATT PT	1
- 25	5311439		SWITCH,TOGGLE DPDT		1
- 26	5311437		NUT,SWITCH 0.469-32	ATT PT	1
- 27	2190625		PANEL,SWITCH AND KEYBOARD		1
			THE FOLLOWING PARTS ARE FEATURES ONLY		
- 28	827850		LENS,WHITE-BLANK		1
- 29	2197321		KEY,ON ALARM OFF,ENGLISH		B
- 29	2197323		KEY,EF ALARME HF,FRENCH		1
- 29	2197322		KEY,EIN ALARM AUS,GERMAN		A
- 30	1092177		SCREW,MACH-SET 4-40 X 3/16 LG	ATT PT	A
- 31	749046		COVER,TOGGLE SWITCH		A
- 32	2190713		SWITCH,TOGGLE-SPDT GOLD CONTACT		A
- 33	5311437		NUT,SWITCH 0.469-32		A
- 34	827850		LENS,WHITE-BLANK		2
- 35	2190944		LENS,DISK UNLOCK,ENGLISH		D
- 35	2191029		LENS,DEVERR DISQUE,FRENCH		D
- 35	2191030		LENS,PLATTE AUS,GERMAN		D
- 36	2190678		LENS,FILE READY,ENGLISH		D
- 36	2191002		LENS,DISQUE PRET,FRENCH		D
- 36	2191001		LENS,PLATTE EIN,GERMAN		D
- 37	2129665		LAMP,INCANDESCENT- 14V 0.2 AMP		D
- 38	5362163		LAMP,INDICATOR -48VDC-.060 AMPS-BAYONET		D
- 39	827840		SOCKET, SINGLE CONTACT, BAYONET BASE		D
- 40	2190677		LENS,RUN,ENGLISH		E
- 40	2190992		LENS,EN FONCT,FRENCH		E
- 40	2190991		LENS,VERARB,GERMAN		E
- 41	827866		LENS,PARITY CHECK,ENGLISH		E
- 41	2190996		LENS,CTRL PARITE,FRENCH		E
- 41	2190995		LENS,GULT PRUF,GERMAN		E
- 42	2190679		LENS,K B SELECT,ENGLISH		E
- 42	2190994		LENS,SELECT CLAVIER,FRENCH		E
- 42	2190993		LENS,TAST ANGEW,GERMAN		E
- 43	2190676		LENS,FORMS CHECK,ENGLISH		E
- 43	738517		LENS,FIN PAPIER,FRENCH		E
- 43	738511		LENS,PAPIER. ENDE,GERMAN		E
- 44	5311423		KEY,POWER ON-OFF,ENGLISH		E
- 44	2191043		KEY,SOUS HORS TENS,FRENCH		E
- 44	2191042		KEY,NETZ EIN-AUS,GERMAN		E

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS	USABLE
				PER ASM.	ON CODE
			BASIC KEYBOARD PANEL ASSEMBLY -CONT		
5 - 45	2190672		KEY,KEYBOARD CONSOLE-KEYBOARD,ENGLISH	1	E
- 45	2190984		KEY,CLAVIER,PUPITRE,CLAVIER,FRENCH	1	E
- 45	2190983		KEY,KONSOL EING TAST,GERMAN	1	E
- 46	2190945		BUTTON,PUSH,PROGRAM START,ENGLISH	1	E
- 46	2191031		BUTTON,PUSH,DEPART PROGRAMME,FRENCH	1	E
- 46	2191032		BUTTON,PUSH,PROGRAMM BEG,GERMAN	1	E
- 47	853526		BUTTON,PUSH,IMMEDIATE STOP,ENGLISH	1	E
- 47	853527		BUTTON,PUSH,ARRET IMMEDIAT,FRENCH	1	E
- 47	853528		BUTTON,PUSH,SOFORT STOP,GERMAN	1	E
- 48	2190675		BUTTON,PUSH,PROGRAM STOP,ENGLISH	1	E
- 48	2191003		BUTTON,PUSH,STOP PROG,FRENCH	1	E
- 48	2191036		BUTTON,PUSH,PROGRAMM STOP,GERMAN	1	E
- 49	749034		BUTTON,PUSH,RESET,ENGLISH	1	E
- 49	2190981		BUTTON,PUSH,RESTAUR,FRENCH	1	E
- 49	2190980		BUTTON,PUSH,GRUND STELL,GERMAN	1	E
- 50	2190674		BUTTON,PUSH,LOAD IAR,ENGLISH	1	E
- 50	2190988		BUTTON,PUSH,CHARGE IAR,FRENCH	1	E
- 50	2190987		BUTTON,PUSH,LADEN IAR,GERMAN	1	E
- 51	2194727		BUTTON,PUSH,PROGRAM LOAD,ENGLISH	1	E
- 51	2190986		BUTTON,PUSH,CHARGE PROG,FRENCH	1	E
- 51	2190985		BUTTON,PUSH,PROGRAMM LADEN,GERMAN	1	E

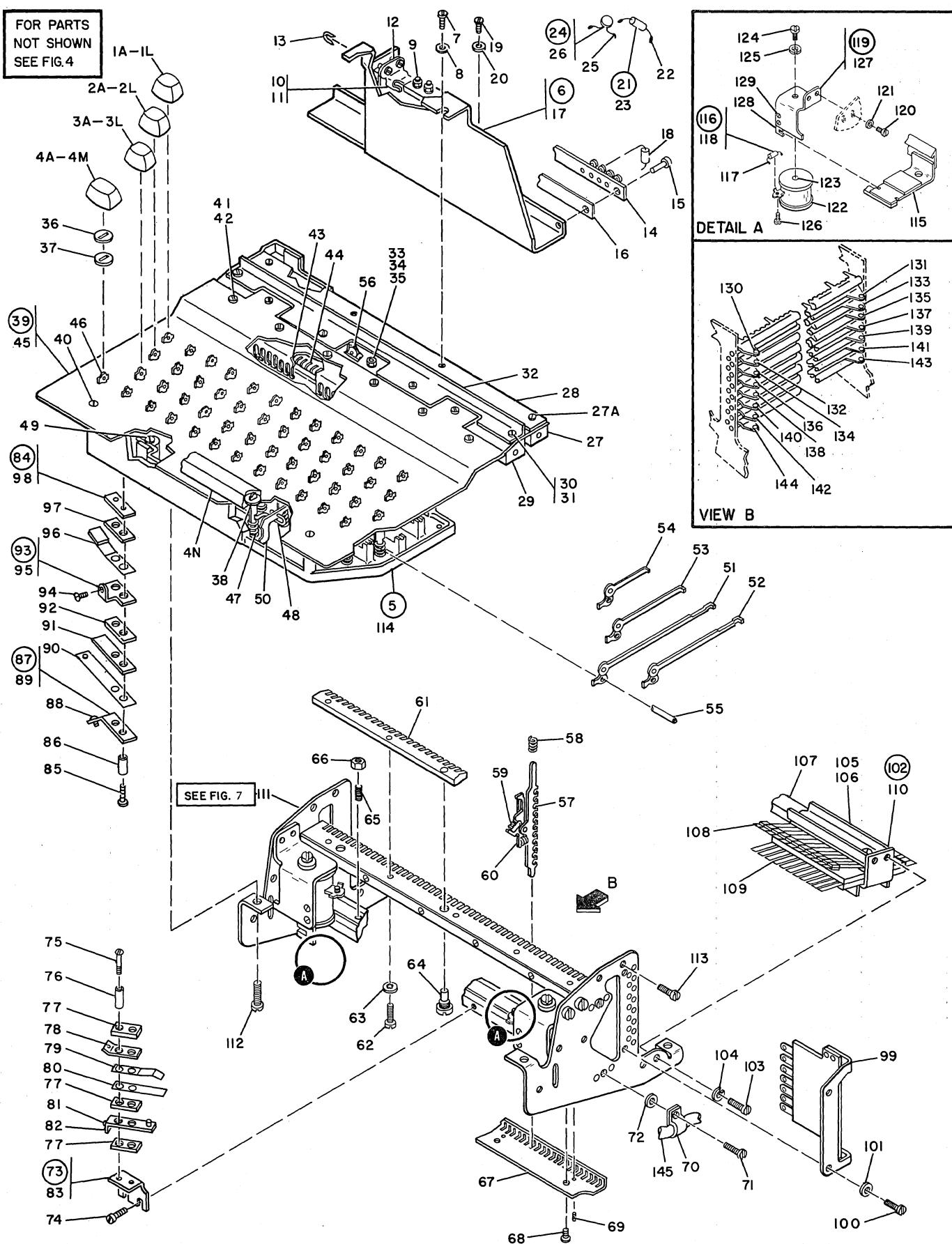


FIGURE 6. KEYBOARD ASSEMBLY. SEE LIST 6.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
KEYBOARD ASSEMBLY					
6 -	2190740		KEYBOARD ASM, ENGLISH, DOMESTIC		REF
-	8107886		KEYBOARD ASM, FRENCH		REF
-	8107907		KEYBOARD ASM, GERMAN		REF
-	8109190		KEYBOARD ASM, NORWAY, DENMARK		REF
-	8109192		KEYBOARD ASM, SPANISH		REF
-	8109193		KEYBOARD ASM, SWEDEN, FINLAND		REF
-	8109194		KEYBOARD ASM, ENGLISH, UNITED KINGDOM		REF
-	8109204		KEYBOARD ASM, ITALY		REF
-	8109274		KEYBOARD ASM, BELGIUM		REF
FOR ILLUSTRATION SEE FIGURE 6 FOR NEXT HIGHER ASM SEE LIST 4-64					
- 1A	2190749		• KEYBUTTON REST KB	1	
- 1B	5353555		• KEYBUTTON # @	1	
- 1C	5353556		• KEYBUTTON , %	1	
- 1D	5353557		• KEYBUTTON \$ * ENGLISH	1	
- 1D	8109263		• KEYBUTTON FRANC * BELGIUM	1	
- 1E	5353741		• KEYBUTTON . <	1	
- 1F	5353564		• KEYBUTTON BLANK	AR	
- 1G	5353564		• KEYBUTTON BLANK	AR	
- 1H	5353597		• KEYBUTTON - -	1	
- 1J	5353560		• KEYBUTTON 0 /	1	
- 1K	5353564		• KEYBUTTON BLANK	AR	
- 1L	2190750		• KEYBUTTON INT REQ	1	
- 2A	5353715		• KEYBUTTON + Q	1	
- 2A	8107680		• KEYBUTTON Q BELGIUM	1	
- 2B	5353716		• KEYBUTTON - W	1	
- 2B	8107681		• KEYBUTTON W BELGIUM	1	
- 2C	5353717		• KEYBUTTON) E	1	
- 2D	5353606		• KEYBUTTON ¢ R	1	
- 2E	5353569		• KEYBUTTON 0.8.2 T	1	
- 2F	5353608		• KEYBUTTON I Y	1	
- 2G	5353571		• KEYBUTTON 1 U	1	
- 2H	5353572		• KEYBUTTON 2 I	1	
- 2J	5353573		• KEYBUTTON 3 O	1	
- 2K	5353574		• KEYBUTTON ¢ P	1	
- 2L	5353575		• KEYBUTTON BLANK	1	
- 3A	5353576		• KEYBUTTON A ENGLISH	1	
- 3A	8107771		• KEYBUTTON + A BELGIUM	1	
- 3B	5353711		• KEYBUTTON > S	1	
- 3C	5353610		• KEYBUTTON : D	1	
- 3D	5353723		• KEYBUTTON ; F	1	
- 3E	5353712		• KEYBUTTON - G	1	
- 3F	5353713		• KEYBUTTON ! H	1	
- 3G	5422212		• KEYBUTTON 4 J	1	
- 3H	5422213		• KEYBUTTON 5 K BELGIUM	1	
- 3H	5353583		• KEYBUTTON 5 K ENGLISH	1	
- 3J	5422214		• KEYBUTTON 6 L	1	
- 3K	2190751		• KEYBUTTON EOF ENGLISH	1	
- 3K	8109313		• KEYBUTTON EOF BELGIUM	1	
- 3L	2190752		• KEYBUTTON ERASE FIELD	1	
- 4A	5353598		• KEYBUTTON NUMERIC	1	
- 4B	5353587		• KEYBUTTON Z	1	
- 4B	8107772		• KEYBUTTON - Z BELGIUM	1	
- 4C	5353724		• KEYBUTTON ? X	1	
- 4D	5353615		• KEYBUTTON " C	1	
- 4E	5353616		• KEYBUTTON = V	1	
- 4F	5353725		• KEYBUTTON ! B	1	
- 4G	5353714		• KEYBUTTON (N	1	
- 4H	5353593		• KEYBUTTON 7 M	1	
- 4J	5353594		• KEYBUTTON 8 ,	1	
- 4K	5353595		• KEYBUTTON 9 .	1	
- 4L	2190748		• KEYBUTTON ←	1	
- 4L	8107888		• KEYBUTTON BACKSPACE BELGIUM	1	
- 4M	5353599		• KEYBUTTON ALPHA	1	
- 4N	5353619		• KEYBUTTON SPACE BAR	1	
- 5	2190745		• MECHANISM ASM-KEYBOARD	1	
- 6	2190754		• RELAY PANEL ASM-KEYBOARD	1	
- 7	58207		• SCREW, BD HD MACH-8-32 NC-2A X .250 LG ATT PT	2	
- 8	4797		• WASHER, FLAT-9/32 OD 7/64 ID X .046 THK ATT PT	2	
- 9	186685		• RELAY ASSEMBLY-WIRE CONTACT 4PDT 1 COIL PARTS OF THIS ASM ARE NOT REPLACEABLE	1	
- 10	159941		• MOLDING ASSEMBLY-TERMINAL 4 POS	1	
- 11	438550		• SCREW, MACH-BIND HD 4-40 X 1/2 LG ATT PT	4	
- 12	159944		• CLIP, SPRING TENSION-TERMINAL MOULDING	1	
- 12	308704		• CLIP-MOLDING	1	
- 13	205331		• JUMPER-RELAY GATES UNIT 1/8 BRASS	1	
- 14	2190755		• TERMINAL BOARD	1	
- 15	804067		• RIVET ATT PT	10	

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
KEYBOARD ASSEMBLY -CONT					
6 - 16	2190756		• . . INSULATOR		1
- 17	2190757		• . . BRACKET,RELAY ASM		1
- 18	216438		• . . RESISTOR,FXD,COMP- 470 OHMS P/M 5% 1/4W		18
- 19	52614		• . . SCREW,MACH-FIL H 3-48 X 3/4 LG		2
- 20	4797		• . . WASHER,FLAT-9/32 OD 7/64 ID X .046 THK		1
- 21	2191075		• . . DIODE ASM-KEYBOARD		2
- 22	320167		• . . TERMINAL,QUICK DISCONNECT-NONINS 16AWG		1
- 23	2106333		• . . SEMICONDUCTOR DEVICE,DIODE		1
- 24	2190969		• . . CAPACITOR ASM,KEYBOARD 0.1 UF 100 V		1
- 25	187243		• . . TERMINAL, SMALL TAPER 20-22-24 OR 26 AWG		1
- 26	492447		• . . CAPACITOR,DISC 0.1 MED P 70 M30 PCT		1
- 27	313353		• . . BAR-SWITCH PLATE MOUNTING		1
- 27A	4236		• . . SCREW,MACH-FIL H 5-40 X 1/4 LG	ATT PT	4
- 28	362829		• . . PLATE-LATCH		1
- 29	382349		• . . BAR-COMBINATION SUPPORT PLATE MOUNTING		1
- 30	196299		• . . SCREW,MACH-BIND HD 5-40 X 1/2 LG	ATT PT	4
- 31	150109		• . . WASHER,FL-NO. 5 X 11/32 OD X 0.040 THK	ATT PT	2
- 32	313355		• . . GUIDE-UPPER BAIL FRCNT		1
- 33	28762		• . . SCREW,MACH-FH 5-40 X 1-1/4 IN. LG		1
- 34	1090199		• . . WASHER,FL-NO. 6 X 9/32 OD X 0.031 THK		1
- 35	103372		• . . NUT,SELF LKG,HEX- 5-40 X 1/4 FL W		1
- 36	219204		• . . BUMPER-KEY		47
- 37	313274		• . . SPACER-KEY		4
			LOCATED UNDER BLANK KEYS ONLY		
- 38	1119715		• . . BUMPER-KEY		2
- 39	5367166		• . . PLATE ASSEMBLY-SUPPORT		1
- 40	5393274		• . . SCREW,MACHINE-BINDING HD 5-40NC X 0.250	ATT PT	4
- 41	227502		• . . PLATE-SPRING MTG		2
- 42	38271		• . . SCREW,MACH-FIL H 5-40 X 3/16 LG	ATT PT	6
- 43	219278		• . . CHANNEL-HOOK		2
- 44	227501		• . . SPRING-HOOK		2
- 45	5367151		• . . PLATE-SUPPORT,COMBINATION		1
- 46	227582		• . . STEM-KEY		47
- 47	219203		• . . SPRING,HELICAL,COMPR- 20.4 TURNS		47
- 48	227527		• . . BAIL-SPACE BAR		1
- 49	140738		• . . SCREW,MACH-BIND HD 5-40 X 3/16 LG	ATT PT	2
- 50	227529		• . . BAR-SPACE LATCH PULL		1
- 51	219347		• . . BAR ASSEMBLY-PULL LATCH		10
			PARTS OF THIS ASM ARE NOT REPLACEABLE		
- 52	219229		• . . BAR ASSEMBLY-PULL LATCH		11
			PARTS OF THIS ASM ARE NOT REPLACEABLE		
- 53	219346		• . . BAR ASSEMBLY-PULL LATCH		11
			PARTS OF THIS ASM ARE NOT REPLACEABLE		
- 54	219202		• . . BAR ASSEMBLY-PULL LATCH		8
			PARTS OF THIS ASM ARE NOT REPLACEABLE		
- 55	219209		• . . SHAFT-BELL CRANK		4
- 56	219235		• . . KEY-INTLK		44
- 57	219357		• . . LATCH ASSEMBLY		39
			PARTS OF THIS ASM ARE NOT REPLACEABLE		
- 57	227519		• . . LATCH ASSEMBLY-RELEASE		2
- 58	382303		• . . SPRING,HELICAL,COMPRESSION		37
- 58	335321		• . . SPRING,HELICAL,COMPR- 15 TURNS		4
- 59	219333		• . . SPRING,HELICAL,COMPR- 10.8 TURNS		41
- 60	219224		• . . SPRING,HELICAL,COMPR- 11 TURNS		41
- 61	219232		• . . BAR-HOOK SUPPORT		1
- 62	673		• . . SCREW,MACH-FIL H 5-40 X 1/2 LG	ATT PT	3
- 63	105047		• . . WASHER,LOCK-INT TEETH NO. 5 X 1/4 OD	ATT PT	3
- 64	219472		• . . SCREW,EXT RELIEVED BODY- 10-32 X 29/64LG	ATT PT	1
- 65	219325		• . . STUD,ARMATURE STOP		2
- 66	11598		• . . NUT, HEX 10-32		2
- 67	219237		• . . PLATE-COMBINATION BAIL STOP		1
- 68	196299		• . . SCREW,MACH-BIND HD 5-40 X 1/2 LG	ATT PT	4
- 69	133798		• . . SCREW,SET 5-40 1/8 LG	ATT PT	4
- 70	533289		• . . CLAMP, CABLE		2
- 71	120044		• . . SCREW,MACH-BIND HD 5-40 X 3/8 LG	ATT PT	2
- 72	326276		• . . WASHER,FL- NO.5 X 5/16 OD X 0.043 THK	ATT PT	2
- 73	339176		• . . CONTACT ASSEMBLY,ELECTRICAL-COMB BAIL		1
- 74	4236		• . . SCREW,MACH-FIL H 5-40 X 1/4 LG	ATT PT	2
- 75	173205		• . . SCREW,ASMD WASHER-RH 5-40 X 21/32 LG		2
- 76	100229		• . . INSULATOR-SCREW NO. 5 X 1/2 LG		2
- 77	204843		• . . INSULATOR-BLOCK PUNCH UNIT CONTACT		3
- 78	204839		• . . TERMINAL-LOWER CONTACT		1
- 79	339113		• . . SPRING-CONTACT STIFFENER		1
- 80	205608		• . . TERMINAL ASSEMBLY-CONTACT		1
- 81	118418		• . . SCREW,MACH-RH 5-40 X 5/32 LG		2
- 82	204848		• . . TERMINAL ASSEMBLY-UPPER CONTACT		1

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			KEYBOARD ASSEMBLY -CONT		
6 - 83	219368		• . . BRACKET-COMBINATION BAIL CONTACT	1	
- 84	5367173		• . . CONTACT ASSEMBLY,ELECTRICAL	3	
- 85	173215		• . . SCREW,ASMD WASHER-RH 5-40 X 0.688 LG	2	
- 86	100354		• . . INSULATOR	2	
- 87	342121		• . . TERMINAL ASSEMBLY-CONTACT	1	
			INDEX NOS. 88-89 ARE PART OF THIS ASM		
- 88	118418		• . . SCREW,MACH-RH 5-40 X 5/32 LG	1	
- 89	342120		• . . TERMINAL-CONTACT	1	
- 90	107070		• . . SPRING ASSEMBLY-LOWER CONTACT	1	
- 91	4792		• . . SUPPORT-CONTACT SPRING	1	
- 92	25984		• . . SUPPORT-CONTACT SPRING	1	
- 93	369060		• . . CONTACT ASSEMBLY,ELECTRICAL	1	
			INDEX NOS. 94-95 ARE PART OF THIS ASM		
- 94	118418		• . . SCREW,MACH-RH 5-40 X 5/32 LG	1	
- 95	369059		• . . CONTACT,ELECTRICAL	1	
- 96	106988		• . . CONTACT ASSEMBLY-CARD LEVER LOWER	1	
- 97	4108		• . . INSULATOR-PLATE	2	
- 98	311823		• . . INSULATOR-PLATE CONTACT ASSEMBLY	1	
- 99	219319		• . . PLATE ASSEMBLY-CONTACT RIGHT	1	
			PARTS OF THIS ASM ARE NOT REPLACEABLE		
- 99	5367274		• . . PLATE ASSEMBLY-CONTACT LEFT	1	
			PARTS OF THIS ASM ARE NOT REPLACEABLE		
-100	4236		• . . SCREW,MACH-FIL H 5-40 X 1/4 LG	ATT PT	4
-101	1866		• . . WASHER,FL-NO. 4 X 1/4 OD X 0.025 THK	ATT PT	4
-102	5367209		• . . CONTACT ASM,LATCH- 64 CHAR		1
-103	4236		• . . SCREW,MACH-FIL H 5-40 X 1/4 LG	ATT PT	4
-104	163899		• . . WASHER,LOCK-SPLIT NO. 6 X 0.255 OD	ATT PT	4
-105	5367162		• . . BRACKET-CLAMP		1
-106	38255		• . . SCREW,MACH-FIL H 3-48 X 1/2 LG		4
-107	417313		• . . CLAMP-SUPPLY ROLL		1
-108	219281		• . . CONTACT ASM,STRAP LEFT		6
			PARTS OF THIS ASM ARE NOT REPLACEABLE		
-109	5367208		• . . COMMON ASSEMBLY-64 CHARACTER KEYBOARD		1
			PARTS OF THIS ASM ARE NOT REPLACEABLE		
-110	5367152		• . . BRACKET-LATCH MOUNTING		1
-111	5367210		• . . BAR ASSEMBLY-MOUNTING		1
			FOR DETAIL BREAKDOWN SEE LIST 7		
-112	38368		• . . SCREW,MACH-FIL H 8-32 X 7/16 LG	ATT PT	2
-113	294		• . . SCREW,MACH-RH 5-40 X 5/16 LG	ATT PT	4
-I14	2190758		• . . PLATE,KEYBOARD CBM		1
-115	5318664		• . . BAIL ASSEMBLY-RESTORING		1
			PARTS OF THIS ASM ARE NOT REPLACEABLE		
-116	2161894		• . . DIODE ASSEMBLY		1
-117	313361		• . . TERMINAL, SPADE 0.119 ID- 22, 24 AWG		2
-118	2106333		• . . SEMICONDUCTOR DEVICE,DIODE		1
-119	315309		• . . YOKE ASM,RIGHT		1
-119	315310		• . . YOKE ASM,LEFT		1
-120	2300		• . . SCREW,MACH-FIL H 8-32 X 1/4 LG	ATT PT	4
-121	22478		• . . WASHER,FL 0.170 ID 0.375 OD 0.032 THK	ATT PT	4
-122	316046		• . . MAGNET-KEYBOARD RESTORER		1
-123	316047		• . . CORE,ELECTROMAGNET		1
-124	38381		• . . SCREW,MACH-FIL H 10-32 X 5/16 LG	ATT PT	1
-125	9092		• . . WASHER-LOCK,SPLIT RING, .194 ID .337OD	ATT PT	1
-126	48594		• . . SCREW,MACH-BIND HD 4-40 X 0.175 LG		2
-127	219213		• . . YOKE-MAGNET		1
			USED ON ASM 315310		
-127	219244		• . . YOKE-MAGNET RIGHT		1
			USED ON ASM 315309		
-128	219268		• . . PIVOT-ARMATURE		2
-129	196299		• . . SCREW,MACH-BIND HD 5-40 X 1/2 LG	ATT PT	4
-130	5367211		• . . ARM ASM,BAIL CONTACT, ALPHA 0 ,POS 1		1
-131	5367212		• . . ARM ASM,BAIL CONTACT,NUMERIC 3 ,POS 2		1
-132	5367213		• . . ARM ASM,BAIL CONTACT, ALPHA 1 ,POS 3		1
-133	5367214		• . . ARM ASM,BAIL CONTACT,NUMERIC 5 ,POS 4		1
-134	5367215		• . . ARM ASM,BAIL CONTACT, ALPHA 3 ,POS 5		1
-135	5367216		• . . ARM ASM,BAIL CONTACT,NUMERIC 6 ,POS 6		1
-136	5367217		• . . ARM ASM,BAIL CONTACT, ALPHA 4 ,POS 7		1
-137	5367218		• . . ARM ASM,BAIL CONTACT,NUMERIC 8 ,POS 8		1
-138	5367219		• . . ARM ASM,BAIL CONTACT, ALPHA 8 ,POS 9		1
-139	5367220		• . . ARM ASM,BAIL CONTACT,NUMERIC 11,POS 10		1
-140	5367221		• . . ARM ASM,BAIL CONTACT, ALPHA 9 ,POS 11		1
-141	5367222		• . . ARM ASM,BAIL CONTACT,NUMERIC 12,POS 12		1
-142	5367223		• . . ARM ASM,BAIL CONTACT, ALPHA 11,POS 13		1
-143	5367224		• . . ARM ASM,BAIL CONTACT, COMMON 0 ,POS 14		1
-144	5367225		• . . ARM ASM,BAIL CONTACT, ALPHA 12,POS 15		1
-145	2190746		• . . CABLE ASM-KEYBOARD		1
			FOR COMPONENT PARTS SEE LIST 44-2B 3A,5,10 AND 17		
-145	2190766		• . . CABLE ASM-KEYBOARD		1
			FOR COMPONENT PARTS SEE LIST 44-37 44,63 AND 78B		

FOR PARTS
NOT SHOWN
SEE FIG. 6

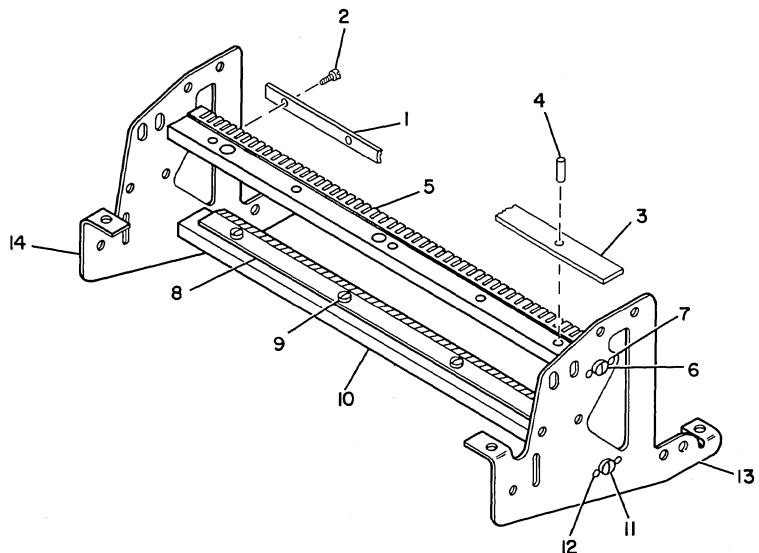
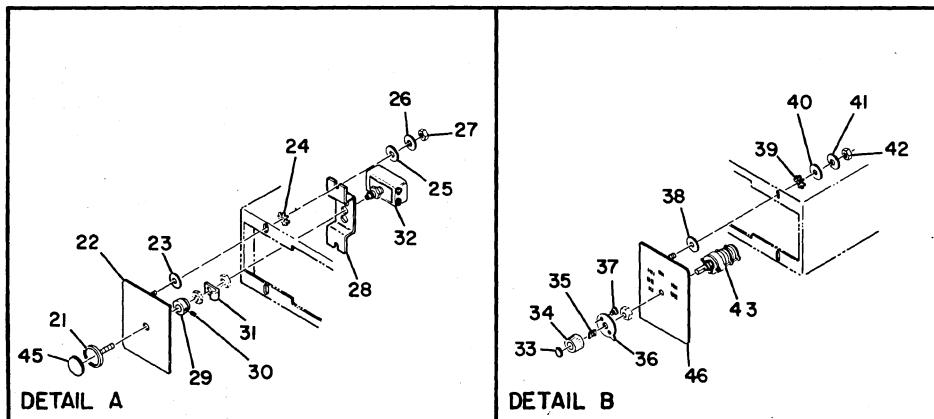


FIGURE 7. MOUNTING BAR ASSEMBLY. SEE LIST 7.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
				REF	
			MOUNTING BAR ASSEMBLY		
7 -	5367210		BAR ASSEMBLY MOUNTING FOR ILLUSTRATION SEE FIGURE 7 FOR NEXT HIGHER ASM SEE LIST 6-111		
- 1	219226		• PLATE-LATCH	1	
- 2	311483		• SCREW, MACH-FIL H 2-56 X 5/16 LG	6	
- 3	219272		• GUIDE-INTERLOCK	1	
- 4	134998		• PIN, STR, HDLS- 1/4 DIA X 5/16 LG	5	
- 5	316059		• BAR-LATCH	1	
- 6	3500		• SCREW, FIL HD MACH-5-40 X .312 LG	2	
- 7	7371		• PIN, STR, HDLS- 3/32 DIA X 3/16 LG	4	
- 8	219236		• GUIDE-BAIL LOWER	1	
- 9	196299		• SCREW, MACH-BIND HD 5-40 X 1/2 LG	4	
- 10	219216		• BAR-BAIL GUIDE MOUNTING	1	
- 11	3500		• SCREW, FIL HD MACH-5-40 X .312 LG	2	
- 12	7371		• PIN, STR, HDLS- 3/32 DIA X 3/16 LG	4	
- 13	5367204		• PLATE-RIGHT SIDE	1	
- 14	5367205		• PLATE-LEFT SIDE	1	



FOR PARTS
NOT SHOWN
SEE FIG. 4

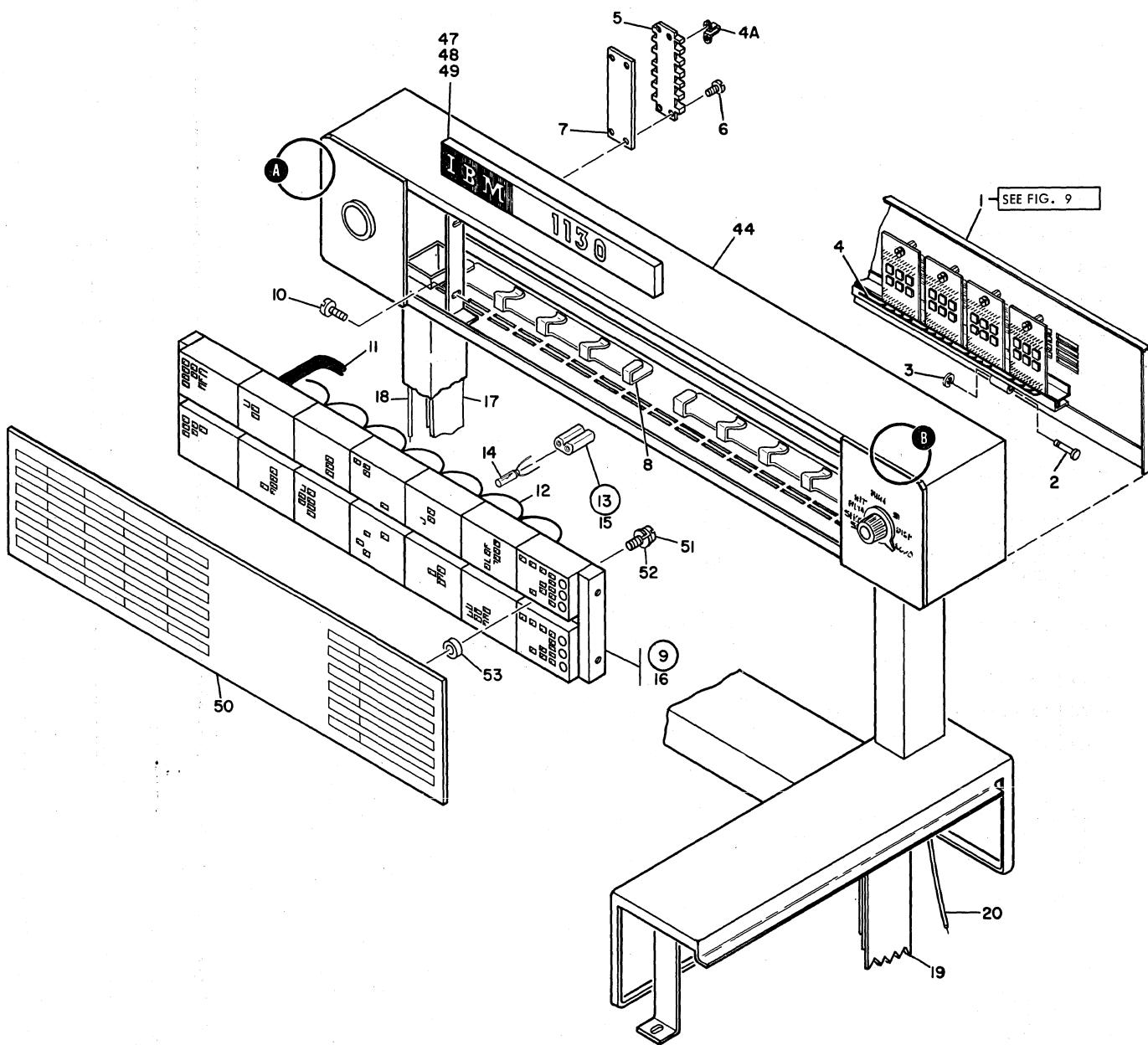


FIGURE 8. DISPLAY PANEL ASSEMBLY. SEE LIST 8.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			DISPLAY PANEL ASSEMBLY		
8 -			CODE 1 USED AFTER F8 SUFFIX TO PRESENT		
-	2243284		DISPLAY PANEL ASM FOR ILLUSTRATION SEE FIGURE 8 FOR NEXT HIGHER ASM SEE LIST 4-8	REF 1	
- 1	2243371		• COVER ASM,DISPLAY PANEL FOR DETAIL BREAKDOWN SEE LIST 9	1	
- 2	287502		• SCREW, MACH-FIL HD. 10-32 X 2.250 LG	ATT PT 2	
- 3	364710		• CLIP,GATE ECCENTRIC PIVOT	ATT PT 2	
- 4	2243241		• CABLE ASM,AC COM AND LAMP TEST FOR COMPONENT PARTS SEE LIST 44-2A 2C AND 73A	1	
- 4A	1143227		• JUMPER, BRASS	3	
- 5	317232		• TERMINAL BOARD- 6 DBL SCREW TERMINALS	1	
- 6	35739		• SCREW,MACH-BIND HD 6-32 X 15/16 LG	ATT PT 4	
- 7	589714		• STRIP-MARKER	1	
- 8	825373		• SUPPORT, CABLE	2	
- 9	2243297		• LIGHT BLOCK ASM	1	
- 10	35739		• SCREW,MACH-BIND HD 6-32 X 15/16 LG	ATT PT 4	
- 11	2243365		• • CABLE ASM,SCRID TO INDICATORS FOR COMPONENT PARTS SEE LIST 44-15 AND 17	1	
- 12	2243368		• • CABLE ASM,LAMP COMMON FOR COMPONENT PARTS SEE LIST 44-3B 6 AND 17	1	
- 13	2243370		• • LAMP ASM, INDICATOR USED ON ASM 2243297	154	
- 13	2243370		• • LAMP ASM, INDICATOR	6	
- 14	2391023		• ADDITIONAL USED ON SCA FEATURE ONLY		
- 15	165010		• • • LAMP, INDICATOR- 4.5V 140 MA	1	
- 16	2190632		• • • PLUG AND INSERT ASSEMBLY	1	
- 16	2190632		• • • BLOCK ASM,LIGHT PARTS OF THIS ASM ARE NOT REPLACEABLE	1	
- 17	2243377		• CABLE ASM,SCRID CARD 7	1	
- 17	2243378		• CABLE ASM,SCRID CARD 6	1	
- 17	2243379		• CABLE ASM,SCRID CARD 9	1	
- 17	2243380		• CABLE ASM,SCRID CARD 8 FOR COMPONENT PARTS SEE LIST 44-15 35,44,49,63A AND 78B	1	
- 18	2243311		• CABLE ASM,SEQUENCE BOX TO DISPLAY PANEL FOR COMPONENT PARTS SEE LIST 44-1 2A,2B,2C,3 AND 3B	1	
- 19	2243363		• CABLE ASM,SCRID CARD 1	1	
- 19	2243372		• CABLE ASM,SCRID CARD 3	1	
- 19	2243373		• CABLE ASM,SCRID CARD 2	1	
- 19	2243374		• CABLE ASM,SCRID CARD 4 FOR COMPONENT PARTS SEE LIST 44-15 35,44,49,63A AND 78B	1	
- 20	2191110		• CABLE ASM,KB LIGHTS AND SWITCHES FOR COMPONENT PARTS SEE LIST 44-2B,3A 3B,10,12,12A,17,24,24A,37,44,63 AND 78B	1	
- 21	482191		• STEM AND FLANGE ASM PARTS OF THIS ASM ARE NOT REPLACEABLE	1	
- 22	2190634		• PANEL ASM,SWITCH PARTS OF THIS ASM ARE NOT REPLACEABLE	1	
- 23	2114519		• WASHER,SPACER	ATT PT 2	
- 24	55901		• WASHER, LOCK, EXT TEETH - .176 DIA	ATT PT 2	
- 25	22478		• WASHER,FL- 0.170 ID 0.375 OD 0.032 THK	ATT PT 2	
- 26	1090873		• WASHER, LOCK - .168 ID X .296 OD	ATT PT 2	
- 27	257189		• NUT, HEX 8-32	ATT PT 2	
- 28	2190633		• BRACKET,POWER SWITCH	1	
- 29	482188		• COLLAR	1	
- 30	257959		• SETSCREW-SPINE DR CUP PT 4-40 X 3/16 LG	ATT PT 1	
- 31	479999		• SPRING, SAFETY	1	
- 32	482219		• SWITCH,PUSH PULL-DPDT	1	
- 33	482204		• INSERT	1	
- 34	482209		• KNOB	1	
- 35	482195		• SPRING-CONTROL KNOB	1	
- 36	2190889		• POINTER,SWITCH	1	
- 37	1090623		• PIN	ATT PT 2	
- 38	2114519		• WASHER,SPACER	2	
- 39	55901		• WASHER, LOCK, EXT TEETH - .176 DIA	2	
- 40	22478		• WASHER,FL- 0.170 ID 0.375 OD 0.032 THK	2	

LIST AND INDEX NO.	PART NO.	DESCRIPTION				UNITS PER ASM.	USABLE ON CODE
		1	2	3	4		
DISPLAY PANEL ASSEMBLY -CONT							
8 - 41	1090873						2
- 42	257189						2
- 43	2243075						1
- 44	2243295						1
THE FOLLOWING PARTS ARE FEATURES ONLY							
- 45	482201	INSERT, PULL KNOB, EMERGENCY PULL, ENGLISH					1
- 45	4066641	INSERT, PULL KNOB, SECURITE TIREZ, FRENCH					1
- 45	4066640	INSERT, KNOB, NOTSCHALTER ZIEHEN, GERMAN					1
- 46	2190635	PANEL ASM, SELECT					1
- 46	2191011	PANEL ASM, SELECT-FRENCH					1
- 46	2191010	PANEL ASM, SELECT-GERMAN					1
PARTS OF THIS ASM ARE NOT REPLACEABLE							
- 47	2190890	NAMEPLATE, 1130 SYSTEM, ENGLISH					1
- 47	2190891	NAMEPLATE, 1130 SYSTEM, FRENCH					1
- 47	2190892	NAMEPLATE, 1130 SYSTEM, GERMAN					1
- 48	170228	SCREW, ASMD WASHER- 6-32 X 5/8 LG			ATT PT		2
- 49	760541	SPACER, MOUNTING-NAMEPLATE			ATT PT		2
- 50	2197311	PANEL, DISPLAY, ENGLISH					1
- 50	2197312	PANEL, DISPLAY, FRENCH					1
- 50	2197313	PANEL, DISPLAY, GERMAN					1
PARTS OF THIS ASM ARE NOT REPLACEABLE							
- 51	438547	SCREW, MACH-FIL H 4-40 X 1-1/4 LG			ATT PT		4
- 52	257984	WASHER, LOCK-SPRING MEDIUM			ATT PT		4
- 53	473582	INSULATOR			ATT PT		4

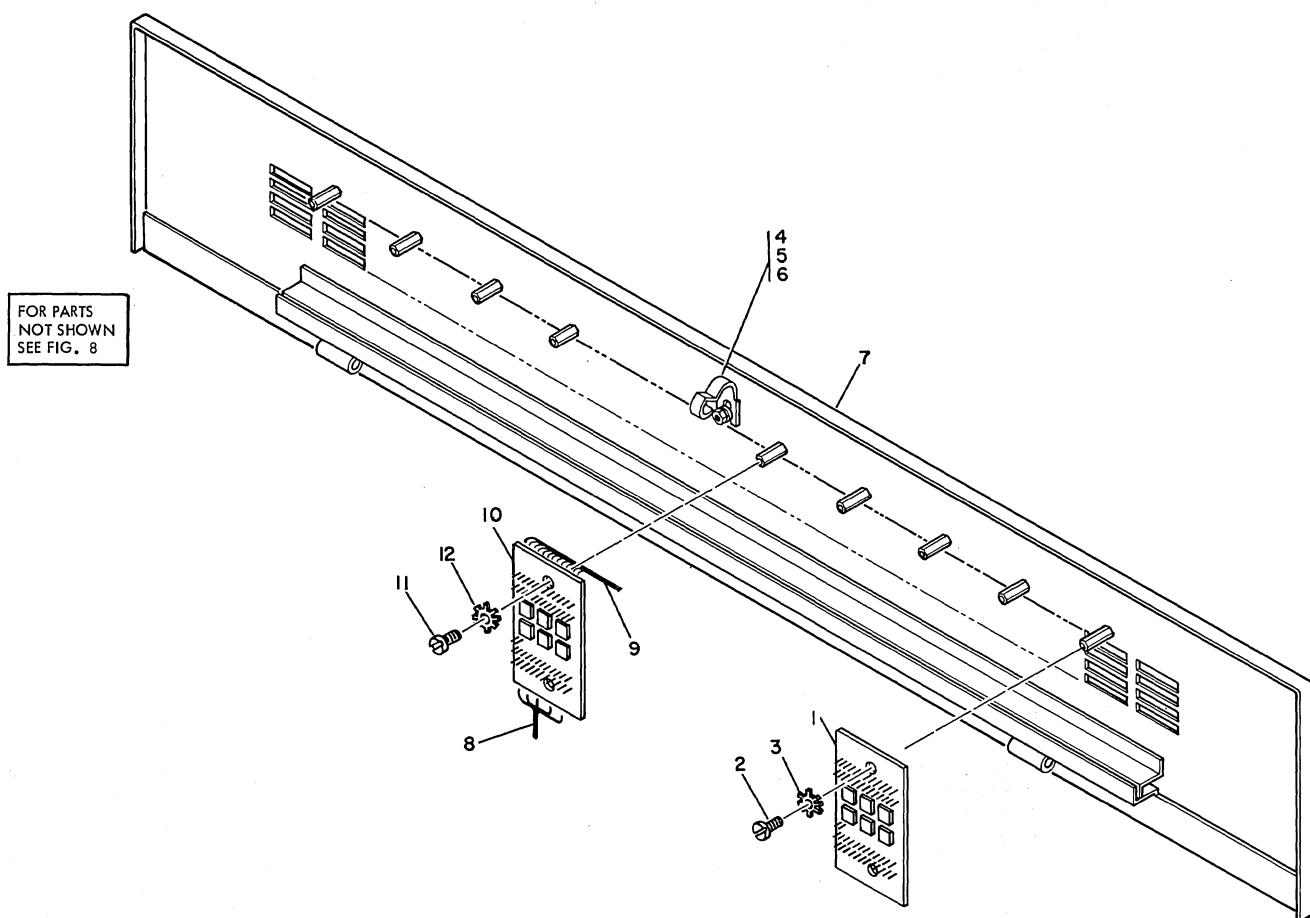
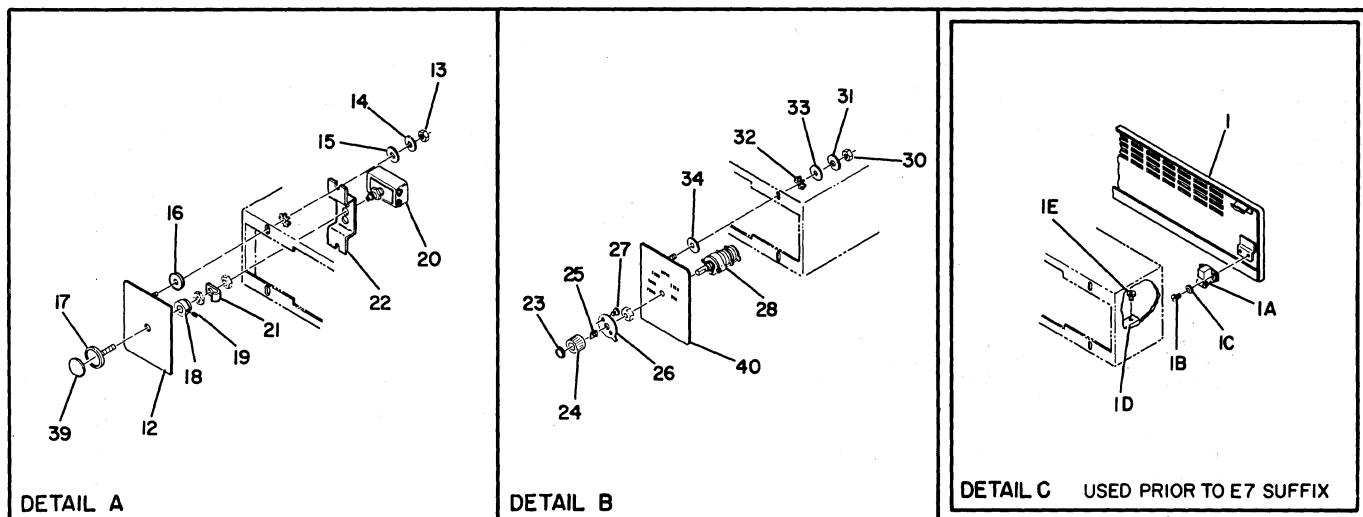


FIGURE 9. COVER ASSEMBLY. SEE LIST 9.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
				REF	
			COVER ASSEMBLY		
9 -			CODE A USED WITH SCA FEATURE ONLY		
-	2243371		COVER ASM,DISPLAY PANEL FOR ILLUSTRATION SEE FIGURE 9 FOR NEXT HIGHER ASM SEE LIST 8-1		
-	5800325		• CARD ASM,SCRID PARTS OF THIS ASM ARE NOT REPLACEABLE	8	
-	251970		• SCREW-MACH BD. HD. 4-40 X 1/4 LG	ATT PT	8
-	338169		• WASHER,LOCK-EXT TEETH NO. 4 X 9/32 OD	ATT PT	8
-	2243369		• RETAINER		1
-	37913		• NUT, HEX 4-40 NC	ATT PT	1
-	338169		• WASHER,LOCK-EXT TEETH NO. 4 X 9/32 OD	ATT PT	1
-	2243296		• COVER ASM PARTS OF THIS ASM ARE NOT REPLACEABLE		1
			THE FOLLOWING PARTS ARE FEATURES ONLY		
-	2243364		CABLE ASM,TO SCRID CARD FOR COMPONENT PARTS SEE LIST 44-15 35,44,49,63 AND 78B	1	A
-	2243367		CABLE ASM,SCRID CARD TO LAMP FOR COMPONENT PARTS SEE LIST 44-2C 15,17,17A,49,69A,71 AND 73A	1	A
-	5800325		CARD ASM,SCRID PARTS OF THIS ASM ARE NOT REPLACEABLE	1	A
-	251970		SCREW-MACH BD. HD. 4-40 X 1/4 LG	ATT PT	1
-	338169		WASHER,LOCK-EXT TEETH NO. 4 X 9/32 OD	ATT PT	1



FOR PARTS
NOT SHOWN
SEE FIG. 4

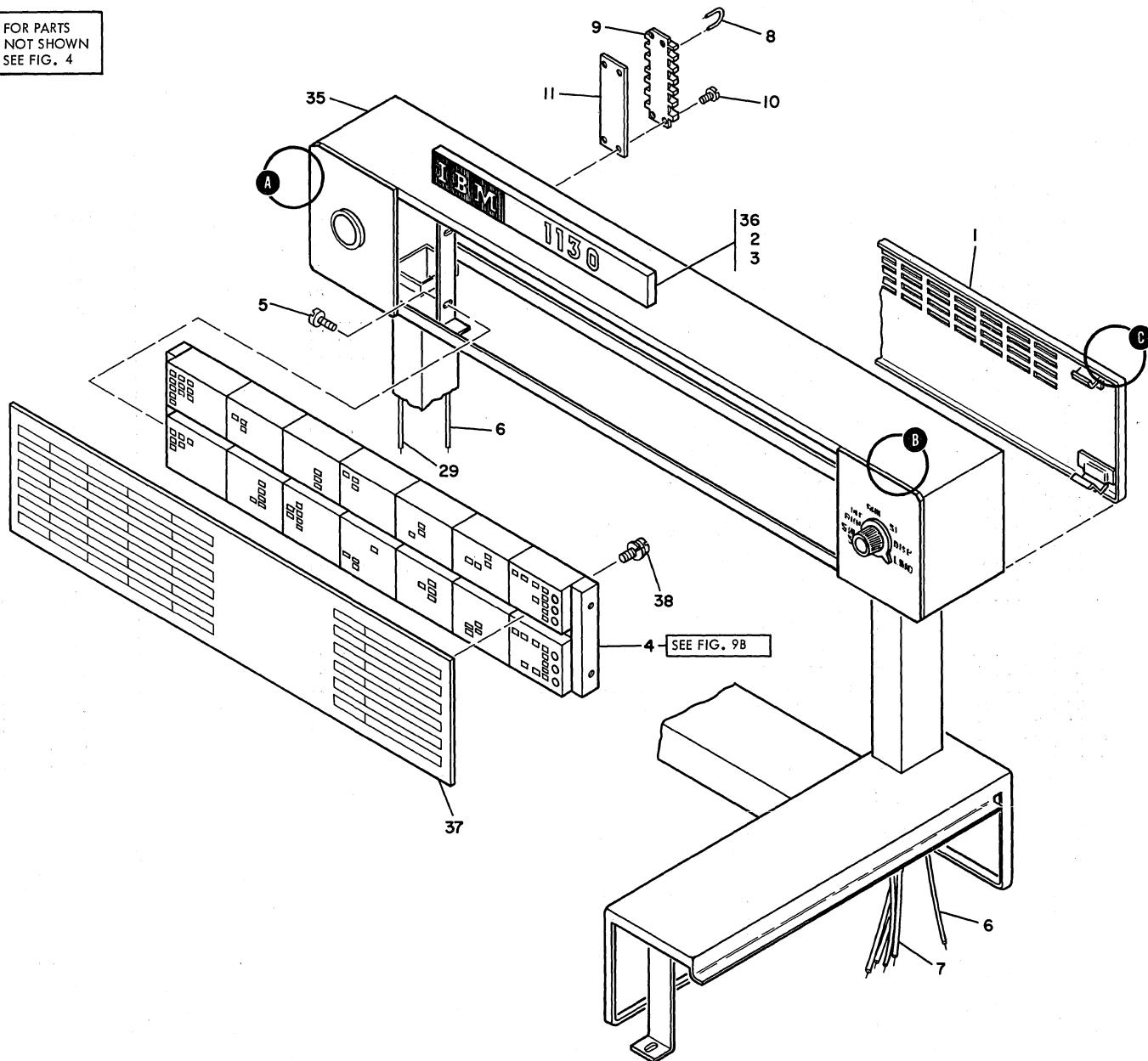
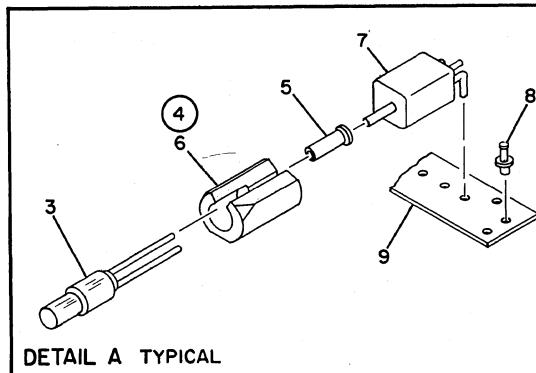


FIGURE 9A. DISPLAY PANEL ASSEMBLY. SEE LIST 9A.

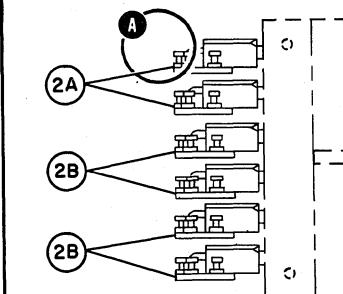
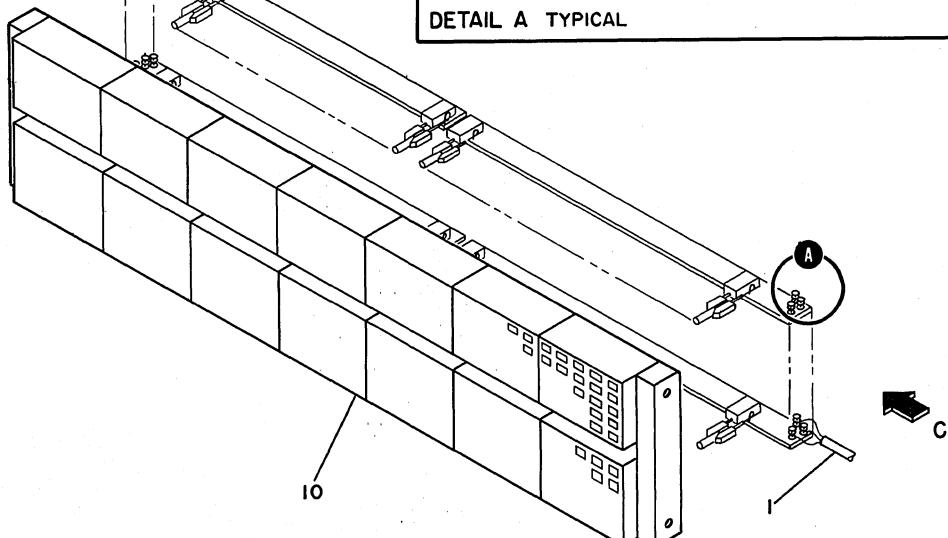
LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
9A-			DISPLAY PANEL ASSEMBLY		
-	2190555		CODE 1 USED PRIOR TO E7 SUFFIX CODE 2 USED FROM E7 TO PRESENT CODE 3 USED PRIOR TO F8 SUFFIX		
-	2190555		DISPLAY PANEL ASSEMBLY FOR ILLUSTRATION SEE FIGURE 9A FOR NEXT HIGHER ASM SEE LIST 4-8	REF	3
- 1	2243641		• COVER,DISPLAY PANEL HOUSING	1	2
- 1	2190637		• COVER,DISPLAY PANEL HOUSING	1	1
- 1A	513668		• CATCH,FRICITION LATCH	2	1
- 1B	731626		• SCREW, PAN HEAD, 6-32 X .25 LONG	4	1
- 1C	257986		• WASHER,FLAT NO. 6	ATT PT	4
- 1D	327408		• STRIKE,FRONT COVER	ATT PT	1
- 1E	731626		• SCREW, PAN HEAD, 6-32 X .25 LONG	ATT PT	2
- 2	170228		• SCREW,ASMD WASHER- 6-32 X 5/8 LG	ATT PT	2
- 3	760541		• SPACER, MOUNTING-NAMEPLATE		2
- 4	2190704		• LIGHT BLOCK ASM		1
			FOR DETAIL BREAKDOWN SEE LIST 9B		
- 5	35739		• SCREW,MACH-BIND HD 6-32 X 15/16 LG	ATT PT	4
- 6	2190845		• CABLE ASM,B GATE TO DISPLAY PANEL ASM FOR COMPONENT PARTS SEE LIST 44-15 35,44,63A AND 78B		1
- 6	2197208		• CABLE ASM,LAMP DRIVER USE WITH SCA FEATURE ONLY FOR COMPONENT PARTS SEE LIST 44-22 35,44,63A AND 78B		1
- 7	2191110		• CABLE ASM,KB LIGHTS AND SWITCHES FOR COMPONENT PARTS SEE LIST 44-2B,3A 3B,10,12,12A,17,24,24A,37,44,63 AND 78B		1
- 8	1143227		• JUMPER,BRASS		3
- 9	317232		• TERMINAL BOARD- 6 DBL SCREW TERMINALS		1
- 10	35739		• SCREW,MACH-BIND HD 6-32 X 15/16 LG	ATT PT	4
- 11	589714		• STRIP-MARKER		1
- 12	2190634		• PANEL ASM,SWITCH PARTS OF THIS ASM ARE NOT REPLACEABLE		1
- 13	257189		• NUT, HEX 8-32	ATT PT	2
- 14	1090873		• WASHER, LOCK - .168 ID X .296 OD	ATT PT	2
- 15	22478		• WASHER,FL- 0.170 ID 0.375 OD 0.032 THK	ATT PT	2
- 15A	55901		• WASHER, LOCK, EXT TEETH - .176 DIA	ATT PT	2
- 16	2114519		• WASHER,SPACER	ATT PT	2
- 17	482191		• STEM AND FLANGE ASM PARTS OF THIS ASM ARE NOT REPLACEABLE		1
- 18	482188		• COLLAR		1
- 19	257959		• SETSCREW-SPLINE DR CUP PT 4-40 X 3/16 LG	ATT PT	1
- 20	482219		• SWITCH,PUSH PULL-DPDT		1
- 21	479999		• SPRING, SAFETY		1
- 22	2190633		• BRACKET,POWER SWITCH		1
- 23	482204		• INSERT		1
- 24	482209		• KNOB		1
- 25	482195		• SPRING-CONTROL KNOB		1
- 26	2190889		• POINTER,SWITCH		1
- 27	1090623		• PIN	ATT PT	2
- 28	2243075		• SWITCH,2 DECK,7 POS,ROTORY		1
- 29	2243311		• CABLE ASM,SEQUENCE BOX TO DISPLAY PANEL FOR COMPONENTS SEE LIST 44-1 2A,2B,2C,3 AND 3B		1
- 30	257189		• NUT, HEX 8-32	ATT PT	2
- 31	1090873		• WASHER, LOCK - .168 ID X .296 OD	ATT PT	2
- 32	55901		• WASHER, LOCK, EXT TEETH - .176 DIA	ATT PT	2
- 33	22478		• WASHER,FL- 0.170 ID 0.375 OD 0.032 THK	ATT PT	2
- 34	2114519		• WASHER,SPACER	ATT PT	2
- 35	2243644		• HOUSING,DISPLAY PANEL		1
- 35	2190636		• HOUSING,DISPLAY PANEL		1
			THE FOLLOWING PARTS ARE FEATURES ONLY		2
- 36	2190890		NAMEPLATE,1130 SYSTEM,ENGLISH		1
- 36	2190891		NAMEPLATE,1130 SYSTEM,FRENCH		1
- 36	2190892		NAMEPLATE,1130 SYSTEM,GERMAN		1
- 37	2197311		PANEL,DISPLAY,ENGLISH		1
- 37	2197312		PANEL,DISPLAY,FRENCH		1
- 37	2197313		PANEL,DISPLAY,GERMAN		1
			PARTS OF THIS ASM ARE NOT REPLACEABLE		
- 38	170185		SCREW AND LOCKWASHER, 4-40 X 1 LG	ATT PT	4
- 39	482201		INSERT,PULL KNOB,EMERGENCY PULL,ENGLISH		1
- 39	4066640		INSERT,KNOB,NOTSCHALTER ZIEHEN,GERMAN		1
- 39	4066641		INSERT,PULL KNOB,SECURITE TIREZ,FRENCH		1
- 40	2190635		PANEL ASM,SELECT-ENGLISH		1
- 40	2191011		PANEL ASM,SELECT-FRENCH		1
- 40	2191010		PANEL ASM,SELECT-GERMAN		1
			PARTS OF THIS ASM ARE NOT REPLACEABLE		

FOR PARTS
NOT SHOWN
SEE FIG. 9A

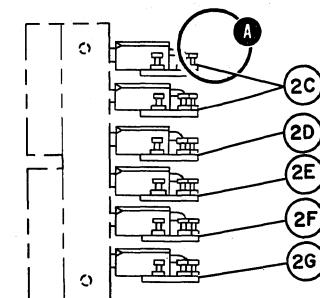
B



C



VIEW B



VIEW C

FIGURE 9B. LIGHT BLOCK ASSEMBLY. SEE LIST 9B.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
				REF	
			LIGHT BLOCK ASSEMBLY		
9B-	2190704		LIGHT BLOCK ASM FOR ILLUSTRATION SEE FIGURE 9B FOR NEXT HIGHER ASM SEE LIST 9A-4		
- 1	2191183		• CABLE ASM, LIGHT PANEL FOR COMPONENT PARTS SEE LIST 44-2B	1	
- 2A	2243725		• LAMP ASM-15 POSITION	2	
- 2B	2191020		• LAMP ASM-16 POSITION	4	
- 2C	2191099		• LAMP ASM-13 POSITION	2	
- 2D	2191021		• LAMP ASM- 9 POSITION	1	
- 2E	2191024		• LAMP ASM- 9 POSITION	1	
- 2F	2191498		• LAMP ASM-14 POSITION	1	
- 2G	2191499		• LAMP ASM-10 POSITION	1	
- 2G	2243345		USED WITH SCA ONLY • LAMP ASM- 2 POSITION USED WITH NO SCA ONLY	1	
- 3	2391023		• • LAMP, INDICATOR- 4.5V 140 MA		AR
- 4	165010		• • PLUG AND INSERT ASSEMBLY		AR
- 5	163800		• • • INSERT	2	
- 6	719904		• • • PLUG, LIGHT		1
- 7	814008		• • DRIVER, INDICATOR, TYPE 213		AR
- 8	5246799		• • TERMINAL-SINGLE	3	
- 9	2191089		• • JUMPER BOARD, LAMP-LH		1
- 9	2191088		• • JUMPER BOARD, LAMP-RH		1
- 10	2190632		• • BLOCK ASM, LIGHT PARTS OF THIS ARE NOT REPLACEABLE		1

FOR PARTS
NOT SHOWN
SEE FIG. 4

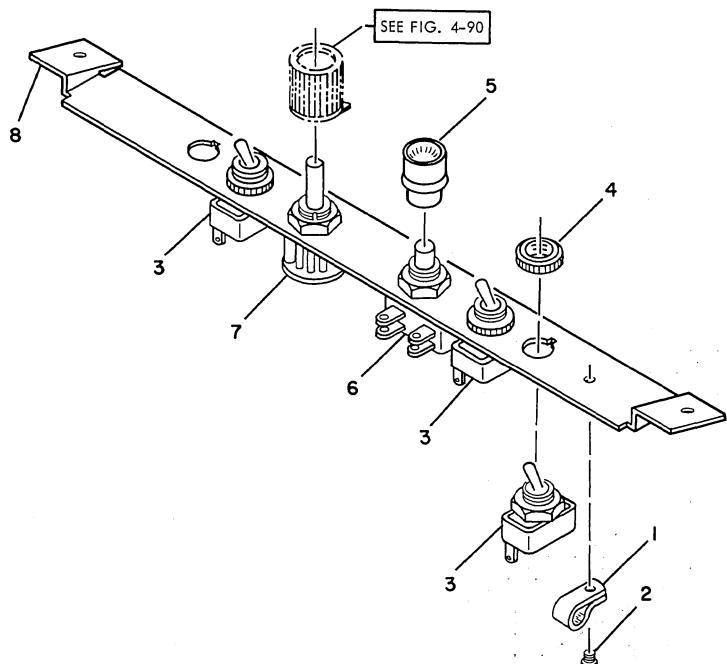


FIGURE 10. SCA SWITCH ASSEMBLY. SEE LIST 10

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
				REF	
10 -	2197325		<p>SCA SWITCH ASSEMBLY</p> <p>SWITCH ASM, SCA FOR ILLUSTRATION SEE FIGURE 10 FOR NEXT HIGHER ASM SEE LIST 4-87</p> <ul style="list-style-type: none"> - 1 356742 - 2 5350012 - 3 738826 - 4 179743 - 5 482200 - 6 2101433 - 7 2197243 - 8 2197324 <p>PARTS OF THIS ASM ARE NOT REPLACEABLE</p> <ul style="list-style-type: none"> - SWITCH, PUSHBUTTON-MOMENTARY - SWITCH, 6 POS, SINGLE DECK ROTARY - PLATE, SWITCH 	1 1 3 3 1 1 1 1	

FOR PARTS
NOT SHOWN
SEE FIG. 4

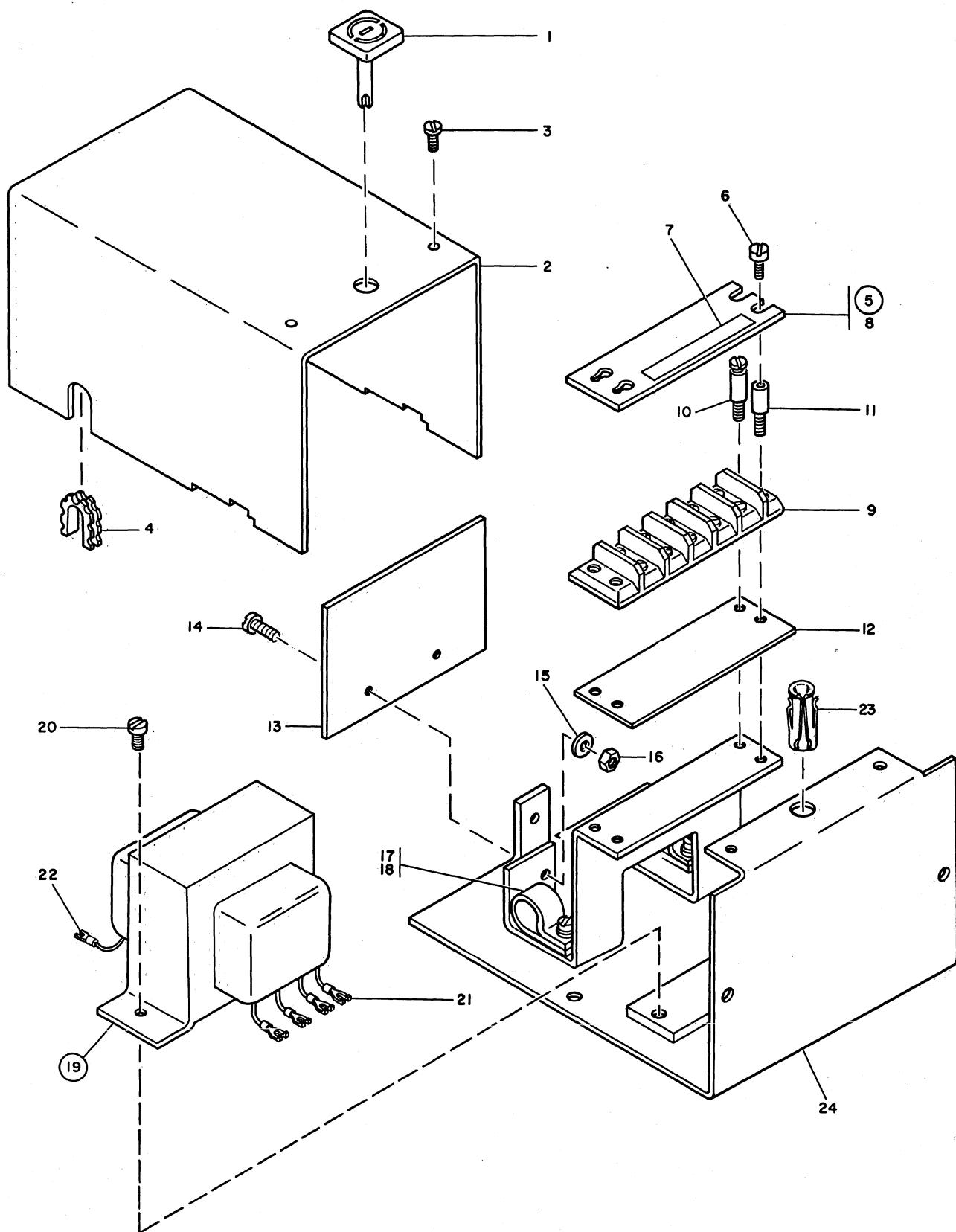


FIGURE 11. METER POWER PAC ASSEMBLY. SEE LIST 11.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			METER POWER PAC ASSEMBLY		
11 -	740540		METER POWER PAC ASSEMBLY-60 CY	REF	
-	740609		METER POWER PAC ASSEMBLY-50 CY	REF	
			FOR ILLUSTRATION SEE FIGURE 11		
			FOR NEXT HIGHER ASM SEE LIST 4-94		
- 1	740489		• RETAINER-COVER	1	
- 2	740564		• COVER-METER POWER PAC	1	
- 3	170202		• SCREW W/SPRING LOCKWASHER-6-32 X .188 LG	ATT PT	3
- 4	740571		• GROMMET		2
- 5	741129		• SHIELD ASM,5 POSITION		1
- 6	740606		• SCREW-BIND HD, NO. 6-32 X .250 LG	ATT PT	1
- 7	124943		• • LABEL-HAZARDOUS AREA		1
- 8	474644		• • SHIELD,5 POSITION		1
- 9	317310		• TERMINAL BOARD- 5 DBL SCREW TERMINALS		1
- 10	210884		• STUD, SLOTTED 6-32 X 1/2 LONG THREAD	ATT PT	3
- 11	210883		• STUD, EXT 6-32 X 1/2 INT 6-32 X 0.19 DP	ATT PT	1
- 12	740554		• STRIP-MARKER,5 POSITION		1
- 13	372688		• CARD ASM-TSTR,METER		1
			PARTS OF THIS ASM ARE NOT REPLACEABLE		
- 14	81693		• SCREW,MACH-BIND HD 6-32 X 3/8 LG	ATT PT	2
- 15	56722		• WASHER-LOCK,EXT T, .150 ID	ATT PT	1
- 16	257187		• NUT,HEX 6-32 NC	ATT PT	1
- 17	104294		• CLAMP-CABLE		1
- 18	216362		• CLAMP-CABLE		1
- 19	10170		• SCREW-MACH,BIND HD NO. 6-32 X .250 LG	ATT PT	2
- 19	740560		• TRANSFORMER ASM,60 CYCLE		1
- 19	740562		• TRANSFORMER ASM,50 CYCLE		1
- 20	170202		• SCREW W/SPRING LOCKWASHER-6-32 X .188 LG	ATT PT	2
- 21	92786		• • TERMINAL,LUG-INS 18-20AWG NO.4 MTG SLOT		5
- 22	313361		• • TERMINAL, SPADE 0.119 ID- 22, 24 AWG		2
			USED ON ASM 740540 ONLY		
- 23	740491		• CLIP,TUBULAR-PERMANENT LOCK		1
- 24	740563		• BASE-METER POWER PAC		1

FOR PARTS
NOT SHOWN
SEE FIG. 4

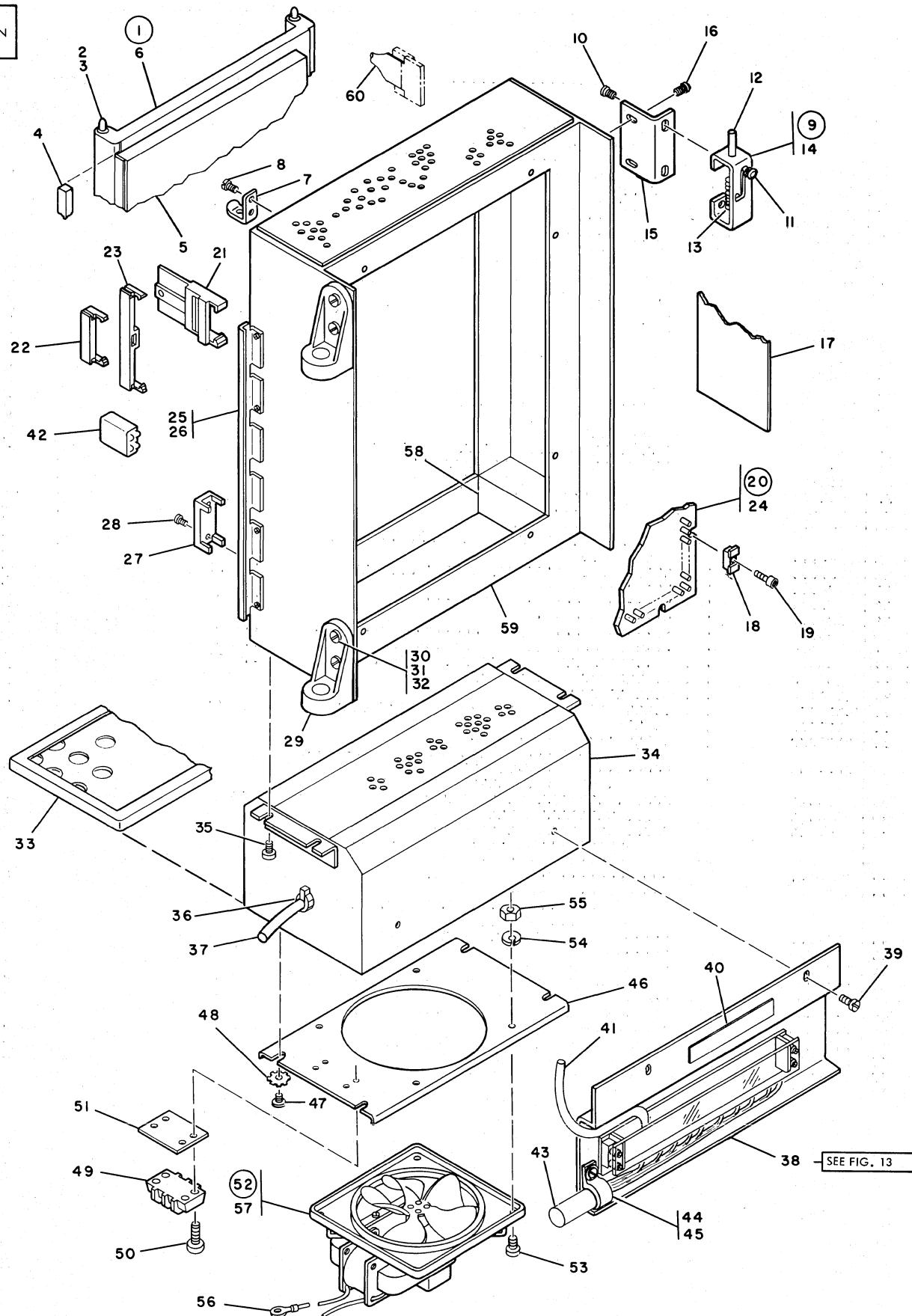


FIGURE 12. C GATE ASSEMBLY. SEE LIST 12.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
				REF	REF
12 -	2197308		C GATE ASSEMBLY		
-	2197309		GATE ASM,C,60 CYCLE GATE ASM,C,50 CYCLE FOR ILLUSTRATION SEE FIGURE 12 FOR NEXT HIGHER ASM SEE LIST 4-96		
- 1	2191345		• COVER ASM	1	
- 2	815964		• • CATCH	4	
- 3	815963		• • CATCH-PULL	4	
- 4	2191346		• • SEAL,FOAM	1	
- 5	2191199		• • CUSHION,FOAM	1	
- 6	2191197		• • COVER,CARD BOARD	1	
- 7	2191198		• RETAINER,COVER	4	
- 8	2181005		• SCREW, SELF TAPPING, 6-32 X .375 LG.	ATT PT	8
- 9	2172092		• LATCH ASSEMBLY-GATE		1
- 10	10170		• SCREW-MACH,BIND HD NO. 6-32 X .250 LG	ATT PT	2
- 11	528013		• • STUD-LATCH	1	
- 12	528014		• • PIN-LATCH	1	
- 13	528012		• • SPRING,HELICAL,COMPR	1	
- 14	528011		• • BRACKET-LATCH	1	
- 15	2191348		• SUPPORT-LATCH	1	
- 16	2181005		• SCREW, SELF TAPPING, 6-32 X .375 LG.	ATT PT	2
- 17	2243098		• LABEL,C GATE- SYNC		1
- 18	813179		• CLAMP-BOARD	8	
- 19	811417		• SCREW,HEX SOCKET H- 6-32 X 1/2 LG	ATT PT	8
- 20	2197211		• BOARD ASM,C GATE SMS CARD AND		1
- 21	811363		• • EXTENDER, CARD, 6 PAC		32
- 22	811802		• • GUIDE-CARD,6 PAC		43
- 23	811804		• • GUIDE, CARD		4
- 24	2197210		• • BOARD ASM,C GATE		1
			PARTS OF THIS ASM ARE NOT REPLACEABLE		
- 25	2194994		• CLAMP,BASE	1	
- 26	2181005		• SCREW, SELF TAPPING, 6-32 X .375 LG.	ATT PT	4
- 27	2194940		• CLAMP,ADJ.	5	
- 28	5644		• SCREW,MACH-FIL H 6-32 X 5/8 LG	ATT PT	10
- 29	124871		• HINGE- REAR GATE		2
- 30	38688		• SCREW-SUPPORT + TRIM MOUNTING .750 LONG	ATT PT	4
- 31	6935		• WASHER,LOCK-SPLIT 1/4 X 0.493 OD	ATT PT	4
- 32	36109		• NUT,PLAIN,HEX- 1/4-40 X 7/16 FL W	ATT PT	4
- 33	2197230		• FILTER,AIR,4.88 X 9.25		1
- 34	2191194		• HOUSING,FAN		1
- 35	5319854		• SCREW, SELF TAPPING, 8-32 X .375 LONG	ATT PT	4
- 36	107611		• BUSHING		1
- 37	2197232		• CABLE ASM, C GATE BLOWER		1
- 38	2197205		FOR COMPONENT PARTS SEE LIST 44-1 AND 2C		
			• POWER SUPPLY ASM,12 VDC		1
			FOR DETAIL BREAKDOWN SEE LIST 13		
- 39	34512		• SCREW,MACH-BIND HD 8-32 X 3/8 LG	ATT PT	2
- 40	124943		• LABEL-HAZARDOUS AREA		1
- 41	2197209		• CABLE ASM,INTERNAL DC POWER		
			FOR COMPONENT PARTS SEE LIST 44-2B		
			2C,9,69,71 AND 73		
- 42	813197		• HOUSING-TERMINAL		2
- 43	2197233		• CABLE ASM,DC POWER		1
			FOR COMPONENT PARTS SEE LIST 44-2B		
			3,3B,57,58 AND 59		
- 44	2114108		• CLAMP, CABLE-.562 DIAMETER		1
- 45	845		• SCREW,MACH-FIL H 8-32 X 1/2 LG	ATT PT	1
- 46	2191195		• PLATE,FAN MTG		1
- 47	5319854		• SCREW, SELF TAPPING, 8-32 X .375 LONG	ATT PT	4
- 48	55901		• WASHER, LOCK, EXT TEETH - .176 DIA	ATT PT	1
- 49	323840		• TERMINAL BOARD- 2 DBL SCREW TERMINALS		1
- 50	2181071		• SCREW-BD MTG		4
- 51	2101380		• MARKER STRIP- 2 POS NOS. 1 AND 2		1
- 52	2190725		• FAN ASM- 115 VOLT 60 CYCLE		1
- 52	2190900		• FAN ASM- 50 CYCLE 220V AC		1
- 53	845		• SCREW,MACH-FIL H 8-32 X 1/2 LG	ATT PT	4
			USED ON 2197308 ONLY		
- 53	38235		• SCREW,BIND HD 6-32 X .312 LONG	ATT PT	4
			USED ON 2197309 ONLY		
- 54	1090873		• WASHER, LOCK - .168 ID X .296 OD	ATT PT	4
			USED ON ASM 2197308 ONLY		
- 55	257189		• NUT, HEX 8-32		4
			USED ON ASM 2197308 ONLY		
- 56	334921		• TERMINAL-LUG NO.22 THRU NO.18 WIRE INSUL		2
- 57	2172165		• • FAN-115 VOLT 60 CYCLE		1
- 57	4120171		• • FAN-220 VOLT 50 CYCLE		1
- 58	2197310		• FOAM,AIR BLOCK,1.25 X 1.38 X 3.12 LG		2
- 59	2191191		• GATE, C		1
			THE FOLLOWING PARTS ARE FEATURES ONLY		
- 60	2197202		CABLE ASM-DATA SET		1
			FOR COMPONENTS SEE LIST 44-1,33,36,38A		
			40,41,42,43,46,54,63,78B,88,89,89A,90D		

FOR PARTS
NOT SHOWN
SEE FIG. 12

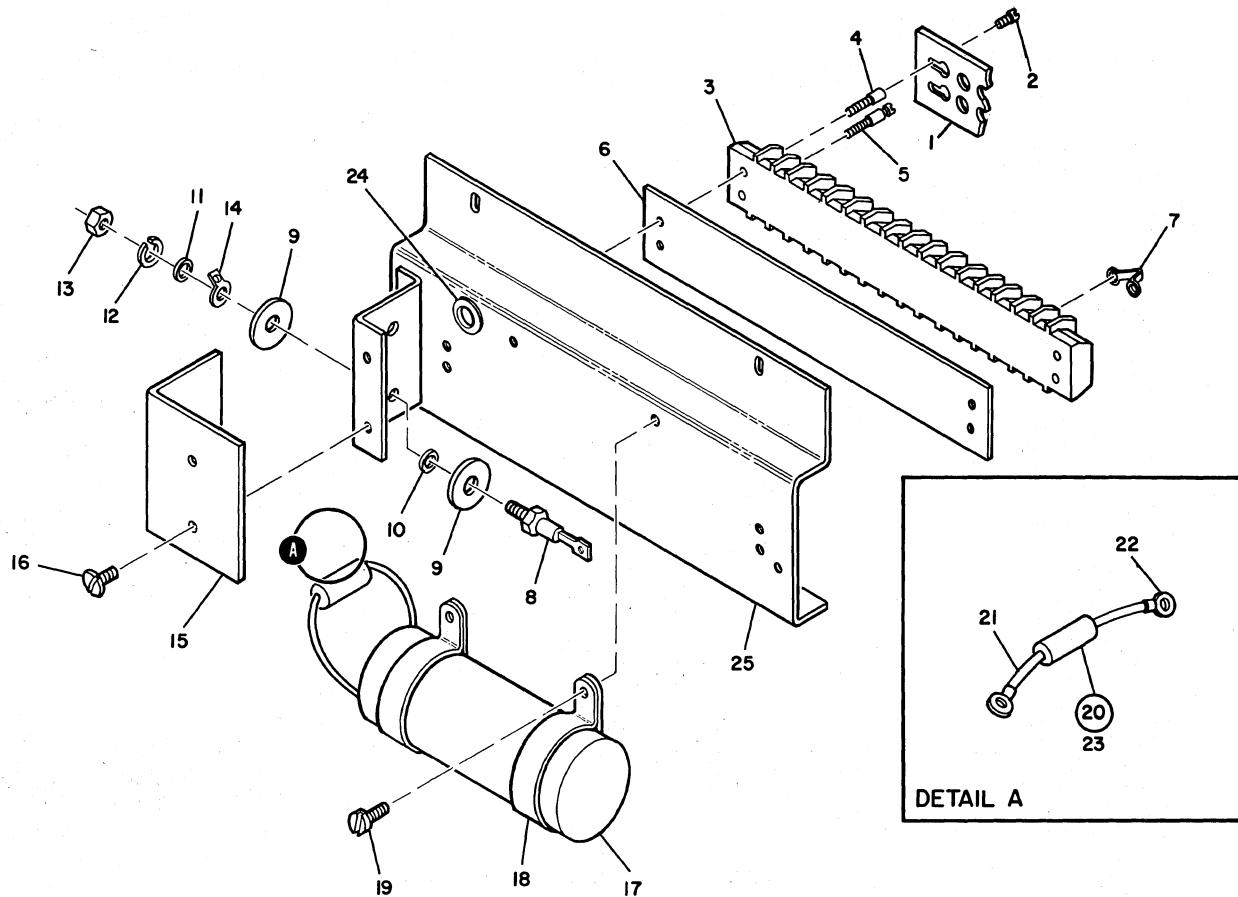


FIGURE 13. 12V POWER SUPPLY ASSEMBLY. SEE LIST 13.

LIST AND INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
		1 2 3 4		
		12V POWER SUPPLY ASSEMBLY		
13 -	2197205	12V POWER SUPPLY ASSEMBLY FOR ILLUSTRATION SEE FIGURE 13 FOR NEXT HIGHER ASM SEE LIST 12-38	REF	
- 1	191478	• SHIELD 16 POS	ATT PT	1
- 2	210984	• SCREW, MACH RH 6-32 X .25	ATT PT	1
- 3	301731	• TERMINAL BOARD- 16 DBL SCREW TERMINALS	ATT PT	1
- 4	210985	• STUD, EXT 8-32 X 1/2 INT 6-32 X 0.19 DP	ATT PT	1
- 5	210986	• STUD, SLOTTED 8-32 X 1/2 LG THREAD	ATT PT	3
- 6	322269	• MARKER STRIP- 16 POS. NOS. 1 THRU 16		1
- 7	367115	• JUMPER-TERMINAL STRIP VDC DISTR BRS		8
- 8	598480	• SEMICONDUCTOR DEVICE,D10- 150V 10 AMP		2
- 9	217019	• WASHER, INSULATING .199 ID 1.00 OD		4
- 10	473582	• INSULATOR	ATT PT	2
- 11	45690	• WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	ATT PT	2
- 12	9092	• WASHER-LOCK,SPLIT RING, .194 ID .337OD	ATT PT	2
- 13	11598	• NUT, HEX 10-32	ATT PT	2
- 14	316996	• TERMINAL,LUG-NONINS 9AWG NO. 8 MTG HOLE		2
- 15	2197204	• SHIELD, SEMICONDUCTOR		1
- 16	58207	• SCREW, BD HD MACH-8-32 NC-2A X .250 LG	ATT PT	2
- 17	598341	• CAPACITOR, FWD, ELECT- 10000UF P150M10%15V		1
- 18	2102370	• CLAMP		2
- 19	5528	• SCREW,MACH BIND HD 8-32 X .625 LG	ATT PT	2
- 20	501565	• RESISTOR ASSEMBLY- 50 OHMS 10W		1
- 21	512848	• TUBING		2
- 22	334932	• TERMINAL-LUG NO.18 THRU NO.22 WIRE INSUL		1
- 23	501551	• RESISTOR-50 OHMS 10W		1
- 24	317138	• GROMMET,RUB-FOR 7/16 HOLE X 1/8 PNL		1
- 25	2191347	• SUPPORT, TERMINAL BLOCK		1

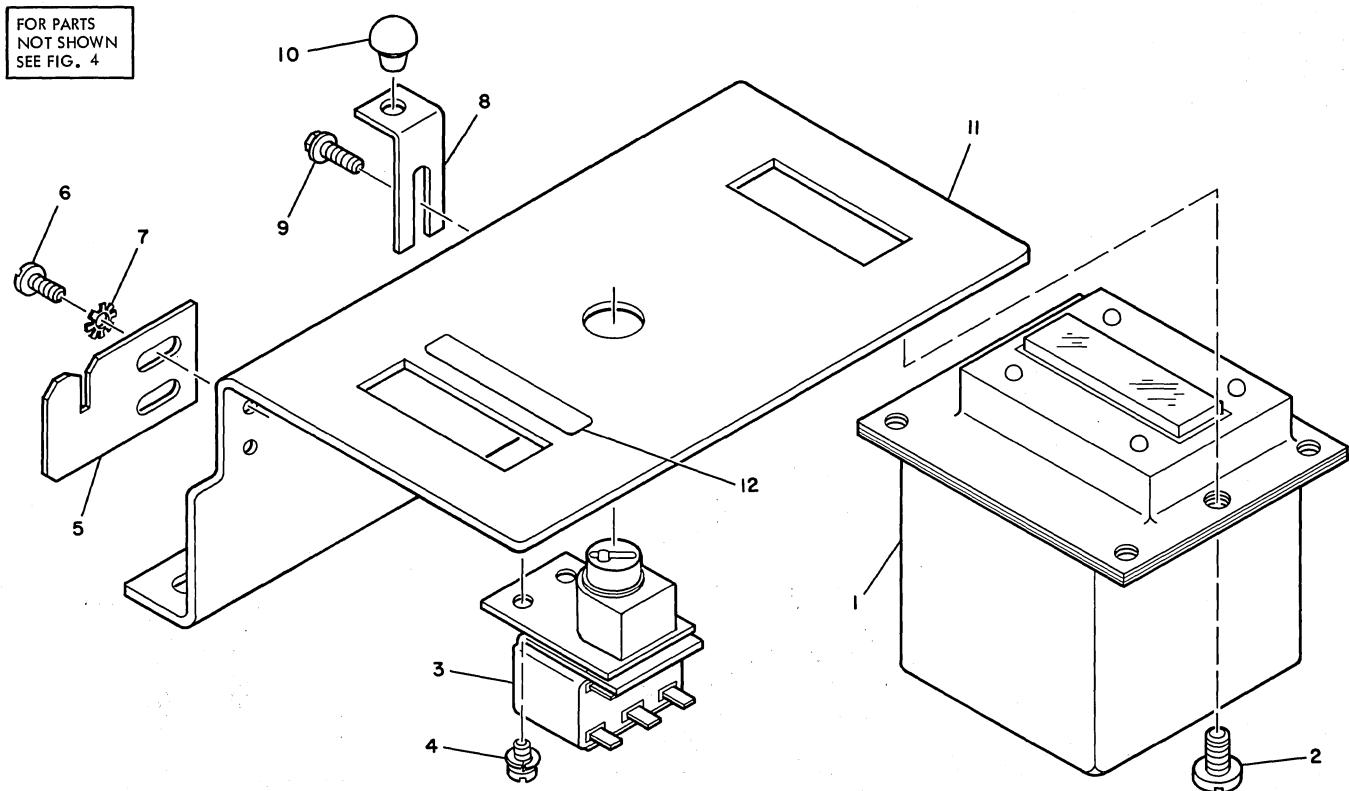
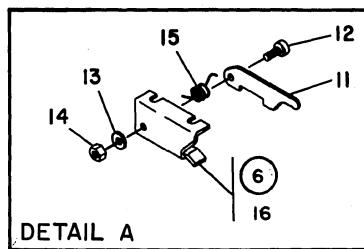


FIGURE 14. METER ASSEMBLY. SEE LIST 14.

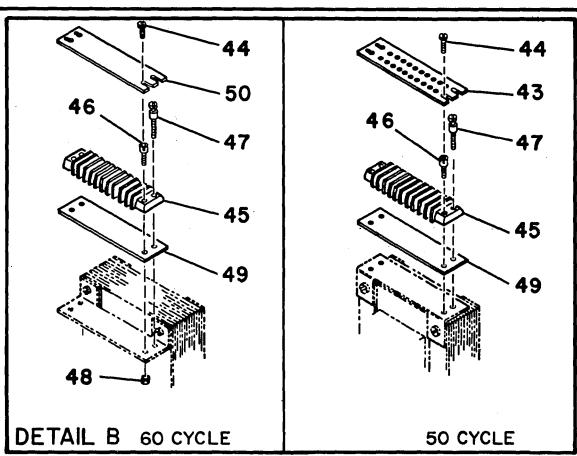
LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			METER ASSEMBLY		
14 -	2191064		METER ASM-60 CYCLE		REF
-	2191065		METER ASM-50 CYCLE		REF
			FOR ILLUSTRATION SEE FIGURE 14		
			FOR NEXT HIGHER ASM SEE LIST 4-110		
- 1	740503		• CLOCK-60 CYCLE		2
- 1	740608		• CLOCK-50 CYCLE		2
- 2	32042		• SCREW, MACH BIND. HD 10-32 X 3/8 LG.	ATT PT	4
- 3	740513		• SWITCH, PUSH-DPDT 250V AC 1 AMP		1
- 4	170214		• SCREW, ASSEM WASH-FIL H 6-32 X 5/16 LG	ATT PT	2
- 5	2191050		• GUIDE, COVER		1
- 6	811426		• SCREW, MACH-PAN HD 6-32 X 3/8 IN. LG	ATT PT	2
- 7	56722		• WASHER-LOCK, EXT T, .150 ID	ATT PT	2
- 8	2190581		• BRACKET, COVER STOP		1
- 9	2181004		• SCREW, THREAD FORMING-HEX WASHER HD	ATT PT	1
- 10	208529		• BUMPER, RUBBER-FOR 3/16 HOLE		1
- 11	2243342		• SUPPORT, METER		1
			PARTS OF THIS ASM ARE NOT REPLACEABLE		
			PARTS NOT INCLUDED IN THIS ASSEMBLY		
- 12	5371671		LABEL-METER		

THIS ILLUSTRATION
PERTAINS TO MIDPACK
SUPPLY ONLY (AFTER
L7 SUFFIX.)
FOR MEDIUM POWER
SUPPLY (PRIOR TO L7
SUFFIX) SEE FIG. 24A

FOR PARTS
NOT SHOWN
SEE FIG. 1 & 4

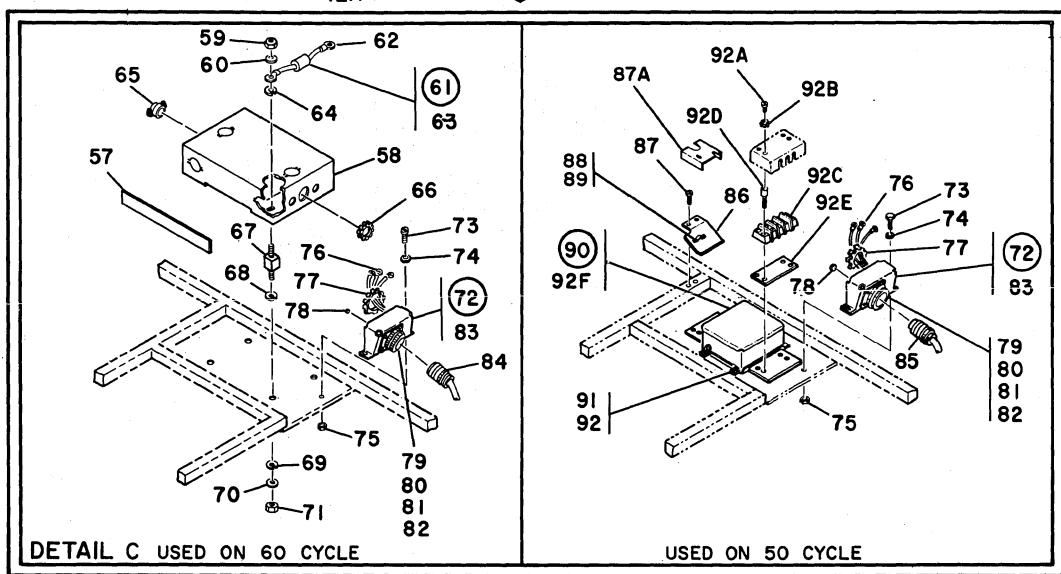
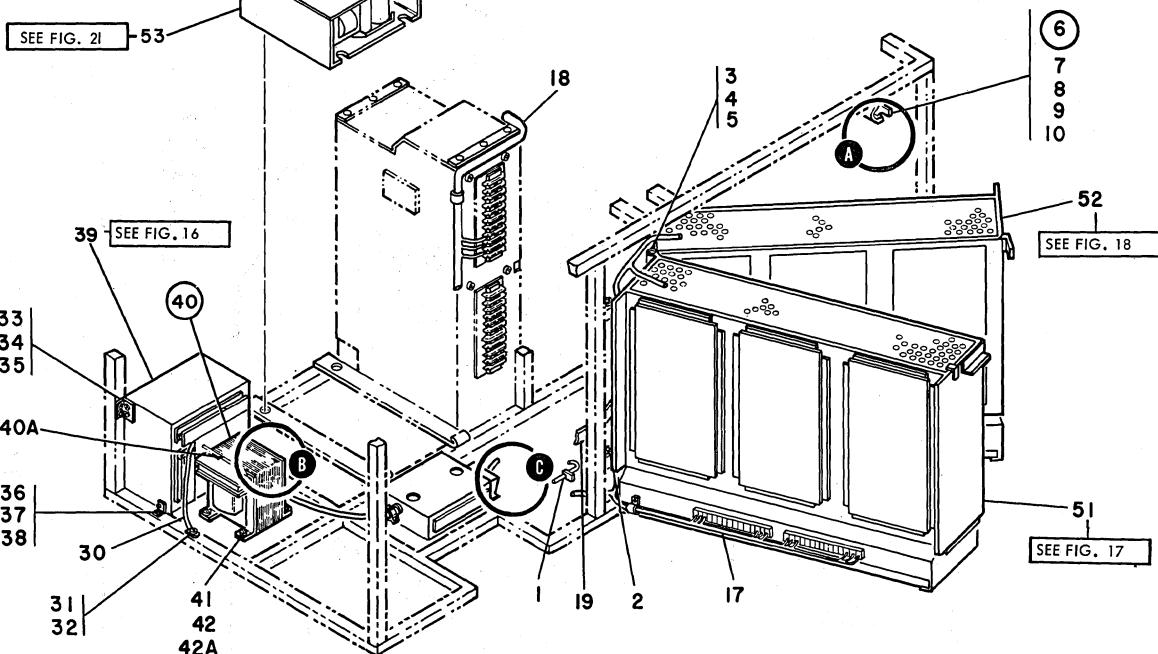


DETAIL A



DETAIL B 60 CYCLE

50 CYCLE



DETAIL C USED ON 60 CYCLE

USED ON 50 CYCLE

FIGURE 15. MIDPACK SUPPLY. SHEET 1 OF 2, INDEX NOS. 1-19 AND 30-92F

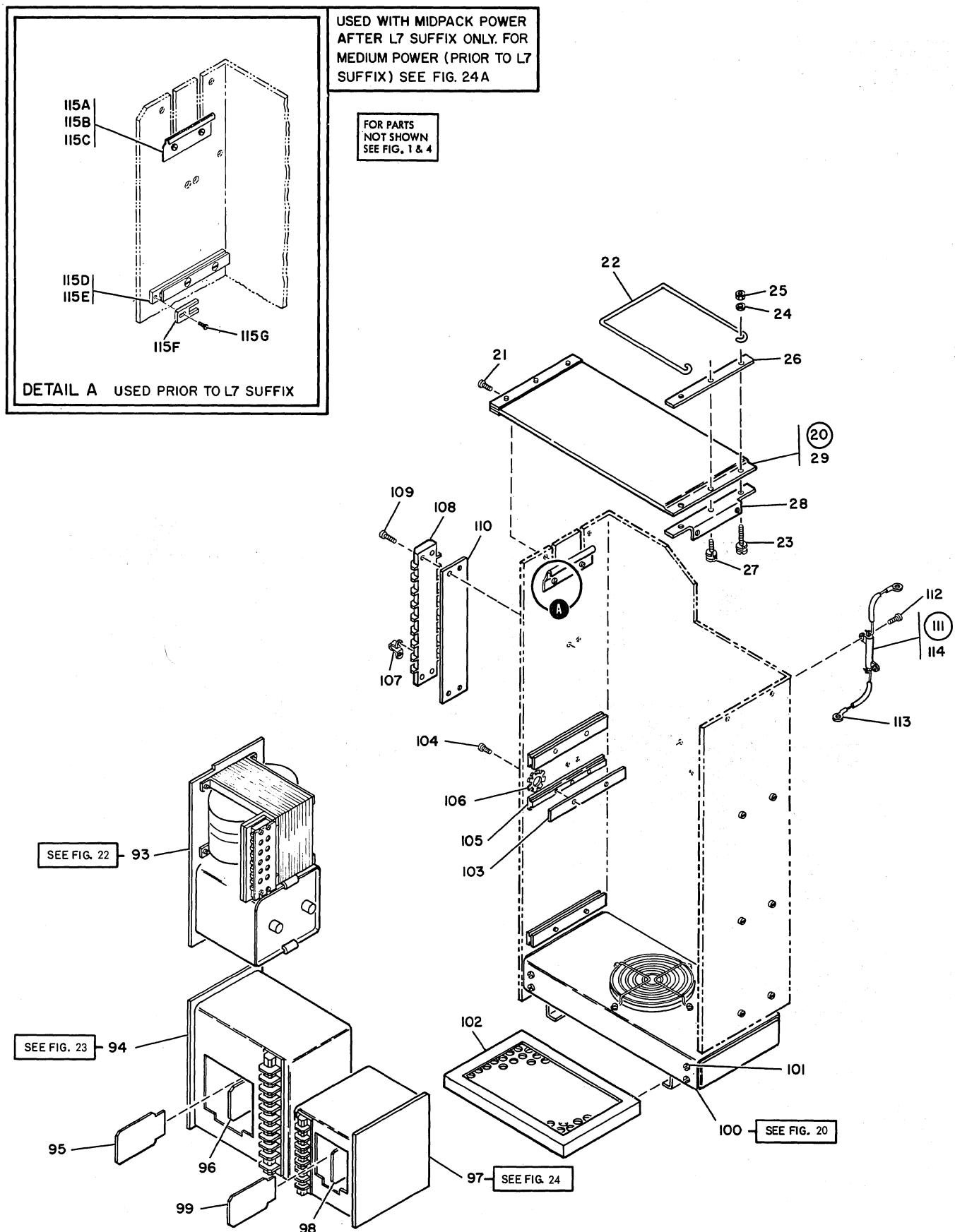


FIGURE 15. MIDPACK SUPPLY. SHEET 2 OF 2, INDEX NOS. 20-29 AND 93-115G

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			MIDPACK SUPPLY		
15 -			CODE A USED ON 115V 60 CYCLE MIDPACK CODE B USED ON 208/230V 60 CYCLE MIDPACK CODE C USED ON 195/220/235V 50 CY MP CODE D USED ON 60 CYCLE ONLY CODE E USED ON 50 CYCLE ONLY CODE F USED ON LOAD RESISTOR FEATURE		
			CODE 1 USED PRIOR TO S7 SUFFIX CODE 2 USED FROM S7 SUFFIX TO PRESENT CODE 3 USED PRIOR TO H7 SUFFIX		
	2190500		BASIC FINAL ASSEMBLY FOR ILLUSTRATION SEE FIGURE 15 FOR FURTHER BREAKDOWN SEE LIST 1 AND 4	NP	
- 1	642377		• BOLT-CABLE CLAMP SUPPORT	1	
- 2	225533		• PIN,KNURLED- 0.509 DIA DA X 1 11/32 LG	2	
- 3	169733		• SCREW	4	
- 4	3550		• WASHER,FLAT 1/4 ID-9/16-OD-0.05 THICK	4	
- 5	6935		• WASHER,LOCK-SPLIT 1/4 X 0.493 OD	4	
- 6	2178626		• LATCH ASM, GATE	1	
- 7	32617		• SCREW, MACH BD HD 10-32 NF X .4375 LG	2	
- 8	45690		• WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	2	
- 9	9092		• WASHER-LOCK,SPLIT RING, .194 ID .337OD	2	
- 10	11598		• NUT, HEX 10-32	2	
- 11	2178625		• . LATCH,GATE	1	
- 12	5677		• . SCREW,MACH-BIND HD 10-32 X 3/4 LG	1	
- 13	2125974		• . WASHER, INT TOOTH, .200 ID X .562 OD	1	
- 14	11598		• . NUT, HEX 10-32	1	
- 15	2157668		• . SPRING	1	
- 16	2178624		• . STRIKER-GATE LATCH	1	
- 17	2243305		• CABLE ASM,DC VOLTAGE TO GATES FOR COMPONENT PARTS SEE LIST 44-2A 3 AND 3B	1	
- 18	2243307		• CABLE ASM,DC POWER FOR COMPONENT PARTS SEE LIST 44-2A 3 AND 3B	1	
- 18	2243306		• CABLE ASM,AC POWER FOR COMPONENT PARTS SEE LIST 44-2A 2B AND 3B	1	
- 19	2190853		• CABLE ASM,I/O TO GATE,STANDARD FOR COMPONENT PARTS SEE LIST 44-37,44 62,62C,63,78B,90B,92,93,94,95 AND 95A	1	
- 19	2190854		• CABLE ASM,1627 ATTACH,I/O TO GATE FOR COMPONENT PARTS SEE LIST 44-37,44 62A,63,78B,90B,92,93,94 AND 95A	1	
- 19	2190714		• CABLE ASM,1627 ATTACH FOR COMPONENT PARTS SEE LIST 44-2C,38C 60,89,90C,90D,92,93,94,95A AND 95B	1	
- 19	2190842		• CABLE ASM,I/O TO GATE,1055 ATTACH FOR COMPONENT PARTS SEE LIST 44-37,44 63,78B,90B,92,93,94 AND 95A	1	
- 19	5802200		• CABLE ASM, HAMMER DRIVE 20 SIG FOR COMPONENT PARTS SEE LIST 44-75 76,77 AND 78	AR	
- 20	2190922		• GUARD ASM-POWER SUPPLY	1	
- 21	234316		• SCREW,ASMD WASHER-FIL H 8-32 X 1/4 LG	4	
- 22	2191173		• . RETAINER,GUARD	1	
- 23	170228		• . SCREW,ASMD WASHER- 6-32 X 5/8 LG	2	
- 24	257986		• . WASHER,FLAT NO. 6	2	
- 25	257187		• . NUT,HEX 6-32 NC	2	
- 26	2190925		• . STRIP,CLAMP-POWER SUPPLY GUARD	2	
- 27	170213		• . SCREW,ASSEM WASH-FIL H 6-32 X 1/4 LG	4	
- 28	2190924		• . BRACKET,POWER SUPPLY GUARD	2	
- 29	2190923		• . GUARD,FOAM-5.88 X 16.25 INCHES	1	
			THE FOLLOWING PARTS ARE FEATURES ONLY		
- 30	550993		JUMPER ASSEMBLY FOR COMPONENT PARTS SEE LIST 44-11	1	D
- 31	5319854		SCREW, SELF TAPPING, 8-32 X .375 LONG	1	D
- 32	55901		WASHER, LOCK, EXT TEETH - .176 DIA	1	D
- 33	2190770		BRACKET-SEQ RH UPPER	1	
- 34	2181004		SCREW,THREAD FORMING-HEX WASHER HD	4	D
- 34	731629		SCREW,PAN HD- 10-32 X 0.380 LG	4	E
- 35	56079		WASHER-LOCK,EXT T .204 ID .410 OD	4	
- 36	2190887		BRACKET,SEQ RH	1	
- 37	2181004		SCREW,THREAD FORMING-HEX WASHER HD	2	D
- 37	731629		SCREW,PAN HD- 10-32 X 0.380 LG	2	E
- 38	56079		WASHER-LOCK,EXT T .204 ID .410 OD	2	

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
MIDPACK SUPPLY -CONT					
15 - 39	2243330		SEQUENCE BOX ASM,115V,60 CY	1	A
- 39	2243346		SEQUENCE BOX ASM,208/230V,60 CY.	1	B
- 39	2243337		SEQUENCE BOX ASM,195/220/235V,50 CY FOR DETAIL BREAKDOWN SEE LIST 16	1	C
- 40	2128759		TRANSFORMER ASM,208/230/115V,60 CY	1	B
- 40	4118360		TRANSFORMER ASM,115/195/220/235V,50 CY	1	C
- 41	234340		SCREW AND LOCKWASHER,HEX HD .25-20 X.50	4	B
- 41	236849		SCREW,MACH-BIND HD 10-32 X 1/4 LG	4	
- 42	76574		WASHER, LOCK-EXT. TEETH .250	2	
- 42A	24091		WASHER,FL- 5/16 X 3/4 OD X 1/16 THK	4	B
- 43	4120242		• SHIELD,TERMINAL BLOCK-5 POSITION USED ON ASM 4118360 ONLY	1	
- 44	210984		• SCREW,MACH RH 6-32 X .25	1	
- 45	207364		• TERMINAL BOARD- 9 DBL SCREW TERMINALS USED ON ASM 2128759 ONLY	1	
- 45	2101337		• TERMINAL BOARD-5 DBL SCREW TERMINALS USED ON ASM 4118360 ONLY	1	
- 46	2125898		• STUD, TAPPED MOUNTING, 6-32 X 1.087 LG USED ON ASM 2128759 ONLY	1	
- 46	210985		• STUD, EXT 8-32 X 1/2 INT 6-32 X 0.19 DP USED ON ASM JUU,OL/ ONLY	1	
- 47	2125899		• STUD, SHIELD MOUNTING, 6-32 X 1.237 LG USED ON ASM 2128759 ONLY	3	
- 47	210986		• STUD, SLOTTED 8-32 X 1/2 LG THREAD USED ON ASM 4118360 ONLY	3	
- 48	257187		• NUT,HEX 6-32 NC USED ON ASM 2128759 ONLY	4	
- 49	597951		• MARKER STRIP- 9 POS NOS. 1 THRU 9 USED ON ASM 2128759 ONLY	1	
- 49	2101357		• MARKER STRIP- 5 POS NOS. 1 THRU 5 USED ON ASM 4118360 ONLY	1	
- 50	186942		SHIELD,TERMINAL BLOCK- 9 POSITION	1	B
- 51	2243008		A GATE ASM,60 CYCLE	1	
- 51	2243010		A GATE ASM,50 CYCLE	1	
- 52	2243009		FOR DETAIL BREAKDOWN SEE LIST 17		
- 52	2243011		B GATE ASM,60 CYCLE	1	
- 52	2243011		B GATE ASM,50 CYCLE	1	
- 53	5760700		FOR DETAIL BREAKDOWN SEE LIST 18		
- 53	5760710		POWER SUPPLY ASM,MIDPACK,60 CY	1	D
- 54	130434		POWER SUPPLY ASM,MIDPACK,50 CY	1	E
- 54	32042		FOR DETAIL BREAKDOWN SEE LIST 21		
- 55	9092		SCREW-MACH,SLOTTED HEX HD NO.10-32 X.375	2	D
- 55	56079		SCREW, MACH BIND. HD 10-32 X 3/8 LG.	2	E
- 56	45690		WASHER-LOCK,SPLIT RING, .194 ID .337OD	2	D
- 57	216297		WASHER-LOCK,EXT T .204 ID .410 OD	2	E
- 58	2190822		WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	2	D
- 59	257189		SEAL,RUB STRIP- 11/16 W X 1/8 THK	AR	D
- 60	1090873		FILTER ASM,LINE,RF1,30 AMP 250V,60 CY	1	D
- 61	2191436		PARTS OF THIS ASM ARE NOT REPLACEABLE		
- 62	92784		NUT, HEX 8-32	4	D
- 63	300736		WASHER, LOCK - .168 ID X .296 OD	4	D
- 64	55901		RESISTOR ASM,1 MEG 5% 0.5 WATTS	1	D
- 65	419537		• TERMINAL,LUG-INS 18-20AWG NO.8 MTG HOLE	2	A
- 66	419537		• RESISTOR,FXD,COMP- 1 MEG P/M 5% 1/2W	1	
- 66	730432		WASHER, LOCK, EXT TEETH - .176 DIA	2	
- 67	760132		CONNECTOR	2	
- 68	56079		CONNECTOR	1	B
- 69	2243656		GROMMET,CATERPILLAR	1	B
- 70	2243624		MOUNT,RESILIENT- 8-32 X 3/8 LG STUD	4	D
- 71	257189		WASHER-LOCK,EXT T -204 ID .410 OD	4	D
- 72	2243656		WASHER,FL- 0.170 ID 0.375 OD 0.032 THK	6	D
- 73	32042		WASHER, LOCK - .168 ID X .296 OD	4	D
- 74	56121		NUT, HEX 8-32	4	D
- 75	11598		RECEPTACLE ASM,POWER CORD-60 CYCLE	1	C
- 76	2101326		RECEPTACLE ASM,POWER CORD-50 CYCLE	1	
- 77	730432		SCREW, MACH BIND. HD 10-32 X 3/8 LG.	2	
- 78	79204		WASHER,LOCK-INT TEETH NO. 10 X 0.381 OD	2	
- 79	2243112		NUT, HEX 10-32	2	
- 80	38265		• TERMINAL-CLIP,BARREL NO.12-10 WIRE INSUL	3	
- 81	257984		• GROMMET,CATERPILLAR	1	
- 82	37913		• BUMPER,RUBBER-HAMMER LATCH ARM	1	
- 83	2243655		• RECEPTACLE,3 PIN CONTACT	1	
- 83	2243623		• SCREW,MACH-FIL H 4-40 X 7/16 LG	4	
			• WASHER,LOCK-SPRING MEDIUM	4	
			• NUT, HEX 4-40 NC	4	
			• BOX,RECEPTACLE	1	B
			• BOX,RECEPTACLE	1	C

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
MIDPACK SUPPLY -CONT					
15 - 84	2191437		CABLE ASM,POWER CORD,6 FT,115 V 60 CY FOR COMPONENT PARTS SEE LIST 44-2E 61,89 AND 90	1	
- 84	2190786		CABLE ASM,POWER CORD,15 FT,115V 60 CY FOR COMPONENT PARTS SEE LIST 44-2E 61,38B,83A AND 89	1	
- 84	2190926		CABLE ASM,POWER CORD,115V 60 CY,U.K./WTC FOR COMPONENT PARTS SEE LIST 44-2D 38B,89 AND 90	1	
- 84	2243003		CABLE ASM,PWR CORD,208/230V 60 CY,6 FT. FOR COMPONENT PARTS SEE LIST 44-3 57,58 AND 59	1	
- 84	2197234		CABLE ASM,PWR CORD,208/230V 60 CY,15 FT. FOR COMPONENT PARTS SEE LIST 44-3 57,58 AND 59	1	
- 85	2190761		CABLE ASM,PWR CORD,50 CY,WTC/UK FOR COMPONENT PARTS SEE LIST 44-57,59	1	
- 85	2190760		CABLE ASM,PWR CORD,WTC OR 60CY FOR COMPONENT PARTS SEE LIST 44-57,59	1	
- 86	2243654		BRACKET,CABLE	1	
- 87	183900		SCREW,THD CTG-BIND HD 8-32 X 1/4 LG	2	C
- 87A	2243386		COVER,FILTER TERMINALS	1	C
- 88	740532		CLAMP	1	C
- 89	183900		SCREW,THD CTG-BIND HD 8-32 X 1/4 LG	2	C
- 90	4120735		FILTER ASM,LINE,RF1,20 AMP 250V,50 CY	1	C
- 91	5350012		SCREW, THD FORMING HEX WSR HD 8-32 X .25	4	C
- 92	55901		WASHER, LOCK, EXT TEETH - .176 DIA	2	C
- 92A	10170		• SCREW-MACH,BIND HD NO. 6-32 X .250 LG	4	
- 92B	56722		• WASHER-LOCK,EXT T, .150 ID	4	
- 92C	317132		• TERMINAL BOARD- 3 DBL SCREW TERMINALS	2	
- 92D	210985		• STUD, EXT 8-32 X 1/2 INT 6-32 X 0.19 DP	8	
- 92E	4121234		• STRIP,INSULATION	2	
- 92F	4118492		• BOX,FILTER	1	
- 93	2243314		TRANSFORMER ASM,7.25 VAC 25 AMP,60 CY	1	A
- 93	2243315		TRANSFORMER ASM,7.25 VAC 25 AMP,60 CY	1	B
- 93	2243323		TRANSFORMER ASM,7.25 VAC 25 AMP,50 CY	1	C
FOR DETAIL BREAKDOWN SEE LIST 22					
- 94	5762030		POWER PAC ASM,6VOLT AT 24 AMP	1	
FOR DETAIL BREAKDOWN SEE LIST 23					
- 95	372990		CARD ASM,REGULATOR	1	
PARTS OF THIS ASM ARE NOT REPLACEABLE					
- 96	372423		CARD ASM,OVERTOLVAGE	1	
PARTS OF THIS ASM ARE NOT REPLACEABLE					
- 97	5762000		POWER PAC ASM,3VOLT AT 20 AMP	2	
FOR DETAIL BREAKDOWN SEE LIST 24					
- 98	372677		CARD ASM-MINUS 3VDC OVERTOLVAGE PROTECT	2	
PARTS OF THIS ASM ARE NOT REPLACEABLE					
- 99	372676		CARD ASM-MINUS 3VDC VOLTAGE REGULATOR	2	
PARTS OF THIS ASM ARE NOT REPLACEABLE					
-100	2243225		BLOWER ASM,POWER SUPPLY,60 CY.	1	
-100	2243318		BLOWER ASM,POWER SUPPLY,50 CY	1	
FOR DETAIL BREAKDOWN SEE LIST 20					
-101	32042		SCREW, MACH BIND. HD 10-32 X 3/8 LG.	4	
-102	5357064		FILTER,AIR,8.30 X 5.91	1	
-103	2193932		OUTER RAIL,POWER SUPPLY MOUNTING	7	2
-104	101706		SCREW,MACH-HEX HD 10-32 X 3/4 LG	14	
-105	2193933		INNER RAIL,POWER SUPPLY MOUNTING	7	2
-106	2243005		GROMMET	AR	
-107	730468		JUMPER-TERMINAL STRIP	17	
-108	81898		TERMINAL BOARD- 12 DBL SCREW TERMINALS	2	
-109	5528		SCREW,MACH BIND HD 8-32 X .625 LG	8	
-110	5240422		STRIP-MARKER	2	
-111	2243239		RESISTOR ASM, WIREWOUND, 1 OHM	1	2F
-112	251970		SCREW-MACH BD. HD. 4-40 X 1/4 LG	2	2F
-113	360370		• TERMINAL-RING TOUNGUE NO.14-16 WIRE	2	
-114	2195636		• RESISTOR,FIXED-WW 1 OHM P/M 5 PCT 50W	1	
-115A	2191049		RETAINER,POWER SUPPLY	1	1
-115B	234328		SCREW,ASMD WASHER-FIL H 10-32 X 5/16 LG	2	1
-115C	45690		WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	2	1
-115D	207382		RAIL-POWER SUPPLY MOUNTING	6	1
-115E	5319888		SCREW, SELF TAPPING, 10-32 X .625 LONG	12	1
-115F	207293		KEEPER-POWER SUPPLY	6	1
-115G	234316		SCREW,ASMD WASHER-FIL H 8-32 X 1/4 LG	6	1

FOR PARTS
NOT SHOWN
SEE FIG. 15

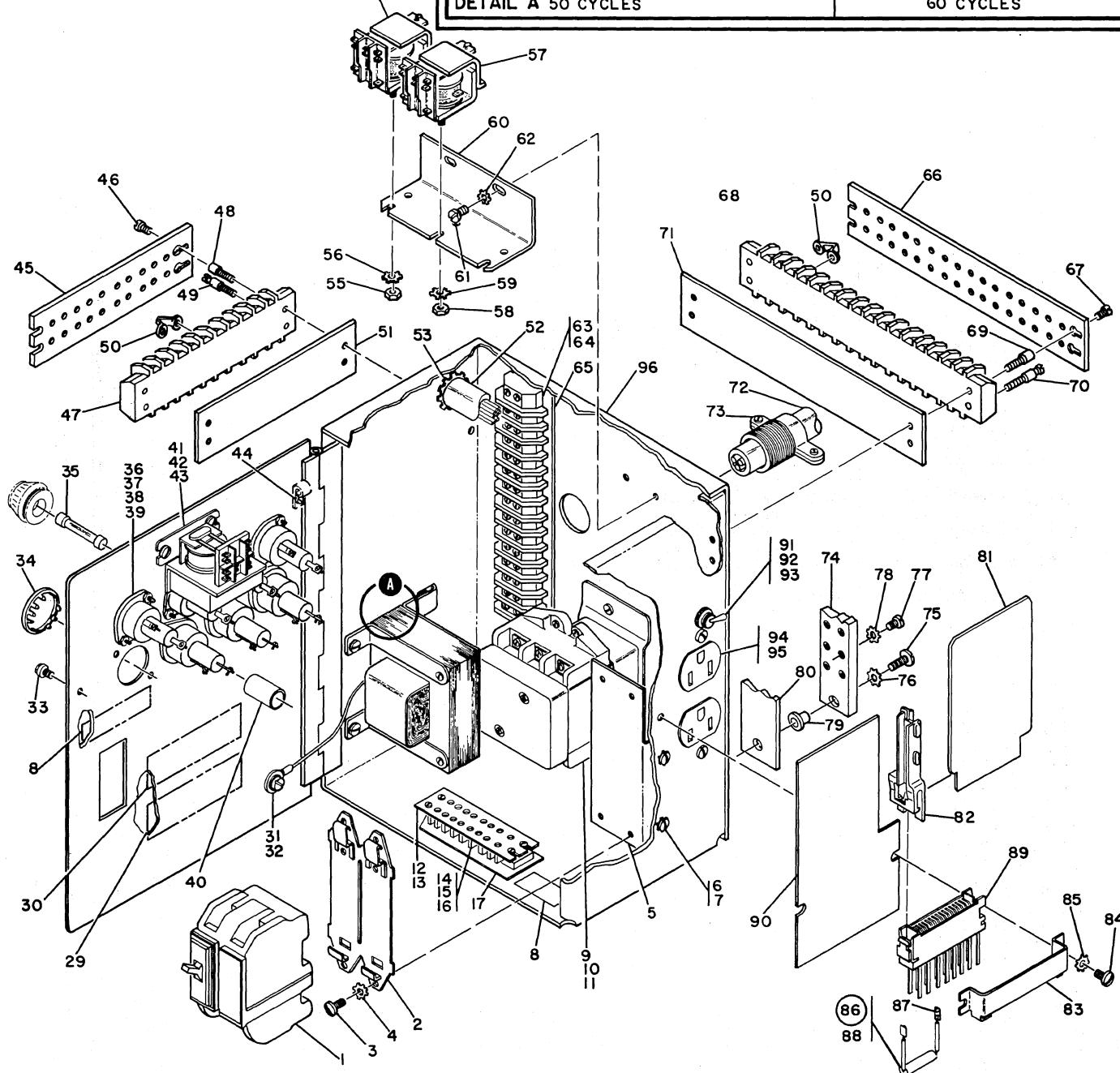
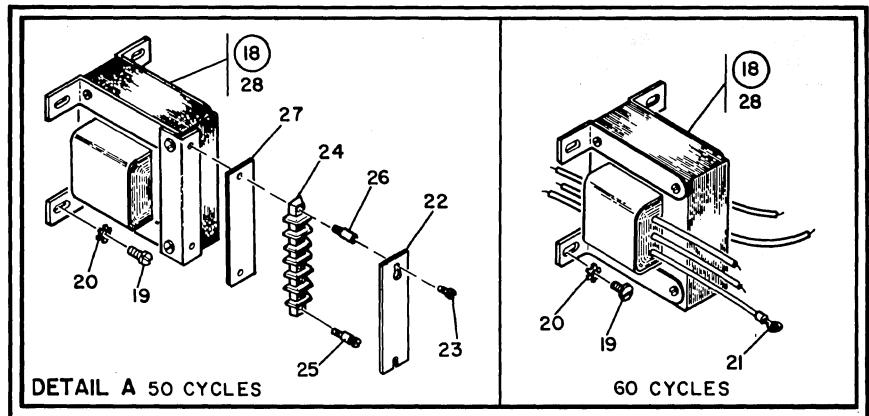


FIGURE 16. SEQUENCE BOX ASSEMBLY. SEE LIST 16.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
SEQUENCE BOX ASSEMBLY					
16 -			CODE A USED ON 60 CYCLE ONLY CODE B USED ON 50 CYCLE ONLY		
-	2243330		SEQUENCE BOX ASM,115V,60 CY		REF
-	2243346		SEQUENCE BOX ASM,208/230V,60 CY		REF
-	2243337		SEQUENCE BOX ASM,195/220/235V,50 CY FOR ILLUSTRATION SEE FIGURE 16 FOR NEXT HIGHER ASM SEE LIST 15-39		REF
- 1	2158708		• CIRCUIT BREAKER, 30 AMP USED ON ASM 2243330 ONLY	1	
- 1	2197484		• CIRCUIT BREAKER, 20 AMP 2 POLE USED ON ASM 2243346 ONLY	1	
- 1	2092646		• CIRCUIT BREAKER, 15 AMP 2 POLE USED ON ASM 2243337 ONLY	1	
- 2	2158722		• CLIP, CB MOUNTING	1	
- 3	10170		• SCREW-MACH,BIND HD NO. 6-32 X .250 LG	4	
- 4	56722		• WASHER-LOCK,EXT T, .150 ID	4	
- 5	2190759		• BRACKET,CB MTG	1	
- 6	236849		• SCREW,MACH-BIND HD 10-32 X 1/4 LG	2	
- 7	56079		• WASHER-LOCK,EXT T .204 ID .410 OD	2	
- 8	138754		• LABEL,VOLTAGE WARNING	2	
- 9	2128749		• MAGNETIC CONTACTOR,2 POLE 40 AMPS 24V USED ON ASM 2243330 ONLY	1	
- 9	2128749		• MAGNETIC CONTACTOR,2 POLE 40 AMPS 24V USED ON NO 2321 ATTACHMENT FEATURE	1	
- 9	2130334		• MAGNETIC CONTACTOR, 3-POLE 40A 24V COIL USED ON 2321 ATTACHMENT FEATURE	1	
- 10	58207		• SCREW, BD HD MACH-8-32 NC-2A X .250 LG	2	
- 11	55901		• WASHER, LOCK, EXT TEETH - .176 DIA	2	
- 12	191480		• SHIELD,8 POSITION	1	A
- 13	210984		• SCREW,MACH RH 6-32 X .25	1	A
- 14	322766		• TERMINAL BOARD	1	A
- 15	210883		• STUD, EXT 6-32 X 1/2 INT 6-32 X 0.19 DP	1	
- 16	210884		• STUD, SLOTTED 6-32 X 1/2 LONG THREAD	1	
- 17	126036		• STRIP,MARKER-INSULATING	1	A
- 18	2190897		• TRANSFORMER ASM,104/115/208/230V 60 CY	1	A
- 18	4116394		• TRANSFORMER ASM,195/220/235V 50 CY	1	B
- 19	58207		• SCREW, BD HD MACH-8-32 NC-2A X .250 LG	2	
- 20	55901		• WASHER, LOCK, EXT TEETH - .176 DIA	2	
- 21	334921		• TERMINAL-LUG NO.22 THRU NO.18 WIRE INSUL	8	A
- 22	4120318		• SHIELD,6 POSITION SINGLE ROW	1	B
- 23	210984		• SCREW,MACH RH 6-32 X .25	1	B
- 24	4120316		• TERMINAL BLOCK,6 POSITION- SINGLE ROW	1	B
- 25	4120245		• STUD	1	B
- 26	4120246		• STUD	1	B
- 27	4120317		• MARKER STRIP,6 POSITION	1	B
- 28	5313144		• TRANSFORMER,104/115/208/230V 60 CY	1	A
- 28	4118453		• TRANSFORMER,195/220/235V 50 CY	1	B
- 29	369207		• LABEL-VOLTAGE	1	
- 30	2243334		• DECAL,FUSE LOCATION	1	
- 31	58207		• SCREW, BD HD MACH-8-32 NC-2A X .250 LG	1	
- 32	55901		• WASHER, LOCK, EXT TEETH - .176 DIA	1	
- 33	470834		• SCREW,THUMB-NO. 6 PRESSURE ROLL	1	
- 34	184380		• COVER,CHECKING LIGHT	1	
- 35	252589		• FUSE,0.2 AMP,LONG TIME LAG,NON-INDICATE		AR
- 35	117403		• FUSE,0.4 AMP,LONG TIME LAG,		AR
- 35	252591		• FUSE,1.0 AMP,FUSETRON TYPE FNM 1		AR
- 35	92734		• FUSE,2.0 AMP,LONG TIME LAG,NON-INDICATE		AR
- 35	107664		• FUSE,3.2 AMP,LONG TIME LAG,		AR
- 35	107665		• FUSE,4.0 AMP,LONG TIME LAG		AR
- 35	107667		• FUSE,6.25 AMP,LONG TIME LAG,NON-INDICATE		AR
- 36	104615		• FUSEHOLDER	7	
- 37	35739		• SCREW,MACH-BIND HD 6-32 X 15/16 LG	14	
- 38	56722		• WASHER-LOCK,EXT T, .150 ID	14	
- 39	257187		• NUT,HEX 6-32 NC	14	
- 40	257079		• INSULATOR,FUSE TERMINAL .375 DIA X 1.500	7	
- 40	257080		• INSULATOR,FUSE TERMINAL .962 DIA X 1.875	7	
- 41	2207277		• RELAY- DPDT 5 SEC TIME DELAY 24VAC	1	
- 42	221790		• SCREW,MACH-BIND HD 8-32 X 3/16 LG	2	
- 43	55901		• WASHER, LOCK, EXT TEETH - .176 DIA	2	
- 44	34512		• SCREW,MACH-BIND HD 8-32 X 3/8 LG	1	
- 45	186943		• SHIELD- 10 POSITION	1	
- 46	210984		• SCREW,MACH RH 6-32 X .25	1	
- 47	322767		• TERMINAL BLOCK, 10 POSITION	1	

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
SEQUENCE BOX ASSEMBLY -CONT					
16 - 48	210985		• STUD, EXT 8-32 X 1/2 INT 6-32 X 0.19 DP	ATT PT	1
- 49	210986		• STUD, SLOTTED 8-32 X 1/2 LG THREAD	ATT PT	3
- 50	367115		• JUMPER-TERMINAL STRIP VDC DISTR BRS		9
- 51	363434		• MARKER STRIP- 10 POS NOS. 1 THRU 10		1
- 52	2243355		• CABLE ASM,SEQUENCE BOX FOR COMPONENT PARTS SEE LIST 44-2A 2B,2C,3A,3B,4,5,7,19 AND 23		1 A
- 52	2243356		• CABLE ASM,SEQUENCE FOR COMPONENT PARTS SEE LIST 44-2A 2B,2C,3,3A,3B,4,7,19 AND 23		1 B
- 53	730432		• GROMMET,CATERPILLAR		3
- 54	441092		• RELAY		1
- 55	257187		• NUT,HEX 6-32 NC	ATT PT	1
- 56	56722		• WASHER-LOCK,EXT T, .150 ID	ATT PT	1
- 57	2158694		• RELAY,3PDT 24V AC COIL		2
- 58	257187		• NUT,HEX 6-32 NC	ATT PT	2
- 59	56722		• WASHER-LOCK,EXT T, .150 ID	ATT PT	2
- 60	2243333		• BRACKET,RELAY MTG		1
- 61	221790		• SCREW,MACH-BIND HD 8-32 X 3/16 LG	ATT PT	2
- 62	55901		• WASHER, LOCK, EXT TEETH - .176 DIA	ATT PT	2
- 63	82353		• TERMINAL BOARD- 14 DBL SCREW TERMINALS		1
- 64	25627		• SCREW,MACH-BIND HD 8-32 X 1/2 LG	ATT PT	4
- 65	212988		• INSULATOR,TERMINAL BLOCK		1
- 66	191478		• SHIELD 16 POS		1
- 67	210984		• SCREW,MACH RH 6-32 X .25	ATT PT	1
- 68	301731		• TERMINAL BOARD- 16 DBL SCREW TERMINALS		1
- 69	210985		• STUD, EXT 8-32 X 1/2 INT 6-32 X 0.19 DP	ATT PT	1
- 70	210986		• STUD, SLOTTED 8-32 X 1/2 LG THREAD	ATT PT	3
- 71	517894		• MARKER STRIP- 16 POS NOS. 1 THRU 16		
- 72	2190827		• CABLE ASM-FILTER BOX TO SEQ BOX USED ON ASM 2243330 ONLY FOR COMPONENT PARTS SEE LIST 44-2E		
- 72	2197317		• CABLE ASM-FILTER BOX TO SEQ BOX USED ON ASM 2243346 ONLY FOR COMPONENT PARTS SEE LIST 44-4		
- 72	2190947		• CABLE ASM- 50 CYC FILTER TO SEQ BOX USED ON ASM 2243337 ONLY FOR COMPONENT PARTS SEE LIST 44-3B		
- 73	419537		• CONNECTOR		1
- 74	2114596		• BAR,GROUND,8 POS,DOUBLE ROW		1
- 75	55918		• SCREW,MACH-BIND HD 10-32 X 5/8 LG	ATT PT	2
- 76	56079		• WASHER-LOCK,EXT T .204 ID .410 OD	ATT PT	2
- 77	58207		• SCREW, BD HD MACH-8-32 NC-2A X .250 LG		16
- 78	55901		• WASHER, LOCK, EXT TEETH - .176 DIA		16
- 79	333586		• BUSHING,PHENOLIC,.219 I.D.-SHOULDER		2
- 80	2114597		• MARKER STRIP,8POS,DOUBLE ROW		1
- 81	374744		• CARD ASM TSTR,LOGIC VOLTAGE SENSE PARTS OF THIS ASM ARE NOT REPLACEABLE		1
- 82	216206		• GUIDE-SINGLE CARD LONG		1
- 83	2197379		• BRACKET,RECT-SUPPORT		1
- 84	10170		• SCREW-MACH,BIND HD NO. 6-32 X .250 LG	ATT PT	2
- 85	56722		• WASHER-LOCK,EXT T, .150 ID	ATT PT	2
- 86	2243336		• RESISTOR ASM,10 OHM 0.5 WATT		1
- 87	596255		• TERMINAL,SLIP-ON		2
- 88	321271		• RESISTOR,FXD,COMP- 10 OHMS P/M 5% 1/2W		1
- 89	216076		• TERMINAL BLOCK AND CONTACT ASSEMBLY FOR COMPONENT PARTS SEE LIST 44-64		1
- 90	2243145		• INSULATOR		1
- 91	2197191		• SWITCH,TOGGLE,SPST,MAINTAINED		1
- 92	179743		• NUT,PLAIN,HEX- 15/32-32 X 9/16 FL W	ATT PT	1
- 93	159373		• WASHER,LOCK-EXT TEETH 15/32 ID X 3/4 OD	ATT PT	1
- 94	357995		• OUTLET,CONVENIENCE,60 CYCLE		1
- 95	221790		• SCREW,MACH-BIND HD 8-32 X 3/16 LG	ATT PT	2
- 96	2243331		• BOX ASM,SEQUENCE PARTS OF THIS ASM ARE NOT REPLACEABLE		1

FOR PARTS
NOT SHOWN
SEE FIG. 15

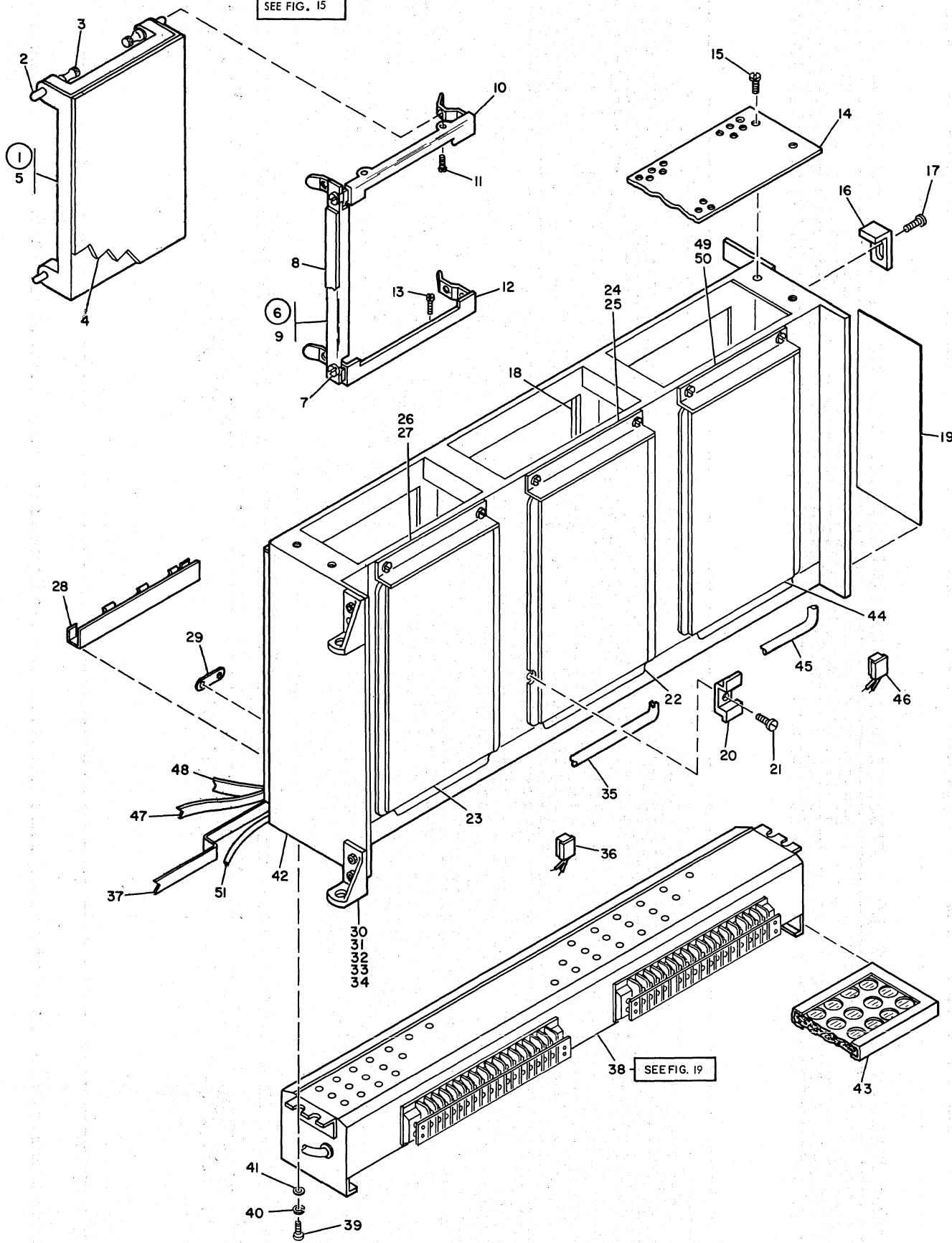


FIGURE 17. A GATE ASSEMBLY. SEE LIST 17.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
17 -			A GATE ASSEMBLY CODE A USED W/BOARD ASM 2197212,222,228		
-	2243008		A GATE ASM,60 CYCLE	REF	
-	2243010		A GATE ASM,50 CYCLE	REF	
			FOR ILLUSTRATION SEE FIGURE 17 FOR NEXT HIGHER ASM SEE LIST 15-51		
- 1	811867		CARD COVER ASSEMBLY	AR	
- 2	815964		• CATCH	4	
- 3	815963		• CATCH-PULL	4	
- 4	815263		• BACKING, FOAM	1	
- 5	811866		• COVER	1	
- 6	811881		• RETAINER ASSEMBLY	AR	
- 7	55726		• SCREW,MACH-BIND HD 6-32 X .188 LG	ATT PT	AR
- 8	811441		• SEAL	1	
- 9	811896		• RETAINER	1	
- 10	811853		• BRACKET-HINGE	AR	
- 11	2181005		• SCREW, SELF TAPPING, 6-32 X .375 LG.	ATT PT	AR
- 12	811852		• BRACKET-HINGE	ATT PT	AR
- 13	2181005		• SCREW, SELF TAPPING, 6-32 X .375 LG.	ATT PT	AR
- 14	2197167		• COVER, TOP	1	
- 15	5319854		• SCREW, SELF TAPPING, 8-32 X .375 LONG	ATT PT	6
- 16	2178627		• BRACKET-LATCH	1	
- 17	2181004		• SCREW,THREAD FORMING-HEX WASHER HD	ATT PT	2
- 18	811442		• SEAL	AR	
- 19	2191094		• DECAL,TEST POINT A GATE	1	
- 20	813179		• CLAMP-BOARD	AR	
- 21	811417		• SCREW,HEX SOCKET H- 6-32 X 1/2 LG	ATT PT	AR
- 22	2197224		• BOARD ASM,B1 PARTS OF THIS ASM ARE NOT REPLACEABLE	1	
- 23	2197217		• BOARD ASM,C1 PARTS OF THIS ASM ARE NOT REPLACEABLE	1	
- 24	811535		• GUARD,GATE	1	
- 25	236849		• SCREW,MACH-BIND HD 10-32 X 1/4 LG	ATT PT	2
- 26	2197162		• GUARD,GATE	1	
- 27	236849		• SCREW,MACH-BIND HD 10-32 X 1/4 LG	ATT PT	2
- 28	825373		• SUPPORT, CABLE	4	
- 29	811427		• RETAINER	AR	
- 30	289335		• HINGE,FRONT RELAY GATE	2	
- 31	169733		• SCREW	ATT PT	4
- 32	3550		• WASHER,FLAT 1/4 ID-9/16-OD-0.05 THICK	ATT PT	4
- 33	6935		• WASHER,LOCK-SPLIT 1/4 X 0.493 OD	ATT PT	4
- 34	36109		• NUT,PLAIN,HEX- 1/4-20 X 7/16 FL W	ATT PT	4
- 35	2190703		• CABLE ASM-GATE VOLTAGE A-B1 AND C1 FOR COMPONENT PARTS SEE LIST 44-2B,9,47,69,71 AND 73	1	
- 36	5802236		• CROSSOVER ASSEMBLY - 22 SIGNAL FOR COMPONENT PARTS SEE LIST 44-75,76B,77 AND 78	AR	
- 37	2190724		• VERTICAL CONNECTION CABLE GROUP FOR COMPONENT PARTS SEE LIST 44-75,76,77 AND 78	1	
- 38	2190660		• BLOWER ASM-FAN 60 CYCLE A GATE	1	
- 38	2190662		• BLOWER ASM-FAN,50 CYCLE A GATE FOR DETAIL BREAKDOWN SEE LIST 19	1	
- 39	5319854		• SCREW, SELF TAPPING, 8-32 X .375 LONG	ATT PT	4
- 40	1090873		• WASHER, LOCK - .168 ID X .296 OD	ATT PT	4
- 41	22478		• WASHER,FL- 0.170 ID 0.375 OD 0.032 THK	ATT PT	4
- 42	2190557		• FRAME- GATE A THE FOLLOWING PARTS ARE FEATURES ONLY	1	
- 43	2190693		FILTER,AIR 5.00 X 28.00	1	
- 44	2227451		CHIMNEY ASM USED ON 1132/2501/SCA/1231/EXP ADAPTER	1	
- 44	2197212		BOARD ASM,A1 USED ON 1132/2501/SCA	1	
- 44	2197222		BOARD ASM,A1 USED ON 1132 WITH NO SCA/2501/1231	1	
- 44	2197228		BOARD ASM,A1 USED ON 1231 WITH NO 2501 PARTS OF THIS ASM ARE NOT REPLACEABLE	1	
- 45	2190727		CABLE ASM,GATE VOLTAGE A-A1 FOR COMPONENT PARTS SEE LIST 44-2B,69,71 AND 73	1	
- 46	5802216		CROSSOVER ASM-SIGNAL FOR COMPONENT PARTS SEE LIST 44-75,76B,77 AND 78	2	A
- 47	2197242		CABLE ASM,1132 AND 2501 SLT FOR COMPONENT PARTS SEE LIST 44-75,76,77 AND 78	1	A
- 48	2190722		INTRA-GATE CABLE GROUP	1	A
- 49	811535		GUARD,GATE	1	A
- 50	236849		SCREW,MACH-BIND HD 10-32 X 1/4 LG	2	A
- 51	2197203		CABLE ASM,INTERNAL SIGNAL,2501 FEATURE	1	
- 51	2190727		CABLE ASM,GATE VOLTAGE A-A1	1	
- 51	2197351		CABLE ASM,1231 EPO CONTROL USED WITH BOARD 2197228 ONLY FOR COMPONENT PARTS SEE LIST 44-75,76,77 AND 78	1	

FOR PARTS
NOT SHOWN
SEE FIG. 15

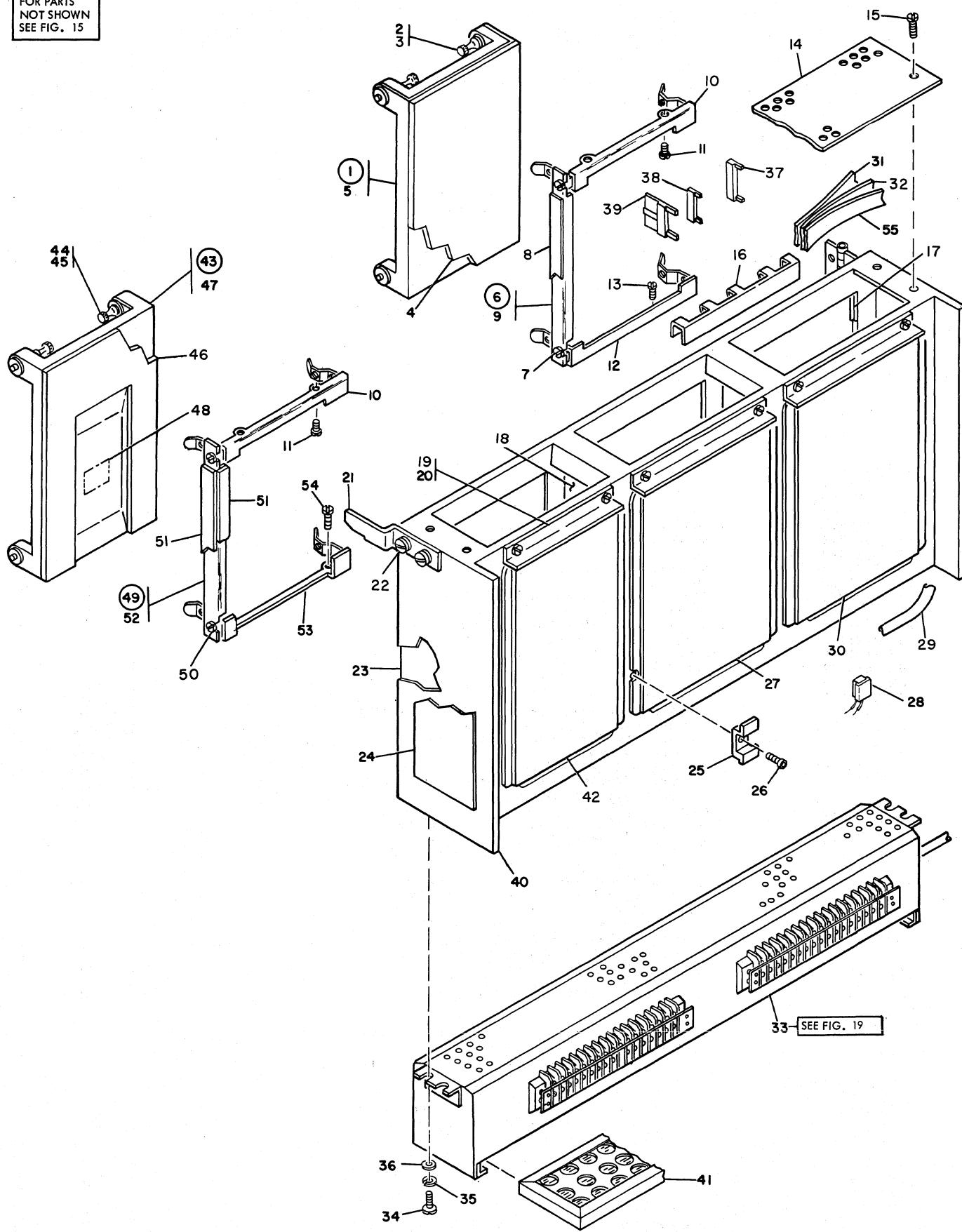
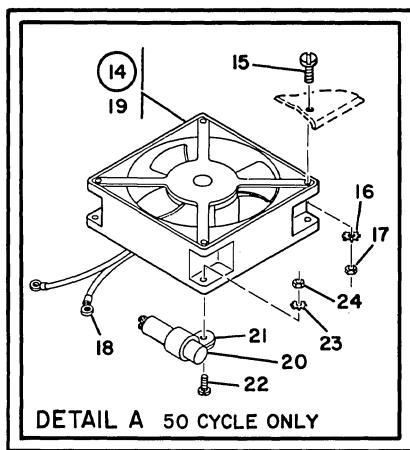


FIGURE 18. B GATE ASSEMBLY. SEE LIST 18.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
18 -			B GATE ASSEMBLY		
			CODE A USED ON EXPANSION MEMORY ATTACH CODE B USED ON 4K 3.6 MICROSEC CODE C USED ON 8K 3.6 MICROSEC		
-	2243009		B GATE ASM,60 CYCLE	REF	
-	2243011		B GATE ASM,50 CYCLE	REF	
			FOR ILLUSTRATION SEE FIGURE 18 FOR NEXT HIGHER ASM SEE LIST 15-52		
- 1	811865		• COVER ASM, CARD	2	
- 2	815964		• CATCH	4	
- 3	815963		• CATCH-PULL	4	
- 4	815263		• BACKING, FOAM	1	
- 5	811864		• COVER, MEMORY CARD	1	
- 6	811881		• RETAINER ASSEMBLY	4	
- 7	55726		• SCREW,MACH-BIND HD 6-32 X .188 LG	8	
- 8	811441		• SEAL	1	
- 9	811896		• RETAINER	1	
- 10	811851		• BRACKET-HINGE-UPPER	3	
- 11	2181005		• SCREW, SELF TAPPING, 6-32 X .375 LG.	6	
- 12	811850		• BRACKET-HINGE-LOWER	2	
- 13	2181005		• SCREW, SELF TAPPING, 6-32 X .375 LG.	4	
- 14	2197167		• COVER, TOP	1	
- 15	5319854		• SCREW, SELF TAPPING, 8-32 X .375 LONG	6	
- 16	825373		• SUPPORT, CABLE	5	
- 17	811442		• SEAL	6	
- 18	2191013		• SEAL,3.00 X 14.2P X 1.00 THICK	1	
- 19	811535		• GUARD,GATE	3	
- 20	236849		• SCREW,MACH-BIND HD 10-32 X 1/4 LG	6	
- 21	2190561		• STRIKER,LATCH	1	
- 22	5353301		• SCREW-THREAD FORMING, HEX. WASHER HEAD	2	
- 23	2191012		• SEAL,3.00 X 12.00 X 1.00 THICK	1	
- 24	2191095		• DECAL,TEST POINT B GATE	1	
- 25	813179		• CLAMP-BOARD	AR	
- 26	811417		• SCREW,HEX SOCKET H- 6-32 X 1/2 LG	AR	
- 27	2197221		• BOARD ASM, PARTS OF THIS ASM ARE NOT REPLACEABLE	1	
- 28	5802236		• CROSSOVER ASSEMBLY - 22 SIGNAL FOR COMPONENT PARTS SEE LIST 44-75 768,77 AND 78	AR	
- 29	2190718		• CABLE ASM-B GATE VOLTAGE FOR COMPONENT PARTS SEE LIST 44-28 2C,9,47,69,71 AND 73	1	
- 30	2197219		• BOARD ASM, PARTS OF THIS ASM ARE NOT REPLACEABLE	1	
- 31	2190723		• VERTICAL CONNECTION CABLE GROUP FOR COMPONENT PARTS SEE LIST 44-75 76,77 AND 78	1	
- 32	2197237		• CABLE ASM,FLAT SAC-CAT OR 2501 INTRA FOR COMPONENT PARTS SEE LIST 44-75 76,77 AND 78	1	
- 33	2190661		• BLOWER ASM-FAN 60 CYCLE B GATE	1	
- 33	2190548		• BLOWER ASM-FAN,50 CYCLE B GATE FOR DETAIL BREAKDOWN SEE LIST 19	1	
- 34	5319854		• SCREW, SELF TAPPING, 8-32 X .375 LONG	4	
- 35	1090873		• WASHER, LOCK - .168 ID X .296 OD	4	
- 36	22478		• WASHER,FL- 0.170 ID 0.375 OD 0.032 THK	4	
- 37	811804		• GUIDE, CARD	AR	
- 38	811802		• GUIDE-CARD,6 PAC	AR	
- 39	811363		• EXTENDER, CARD, 6 PAC	AR	
- 40	2190558		• FRAME- GATE B PARTS OF THIS ASM ARE NOT REPLACEABLE	1	
			THE FOLLOWING PARTS ARE FEATURES ONLY		
- 41	2190693		FILTER,AIR 5.00 X 28.00	1	
- 42	2243057		BOARD ASM,01B-C1	1	A
- 42	2510224		BOARD ASM,4K	1	B
- 42	2510225		BOARD ASM,8K	1	C
- 43	2190824		PARTS OF THIS ASM ARE NOT REPLACEABLE COVER ASM,MEMORY	1	B

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
B GATE ASSEMBLY -CONT					
18 - 43	2190824		COVER ASM, MEMORY	1	C
- 43	811865		COVER ASM, CARD	1	A
- 44	815964		• CATCH	4	
- 45	815963		• CATCH-PULL	4	
- 46	2190834		• BACKING, FOAM	1	
			USED ON ASM 2190824 ONLY		
- 46	815263		• BACKING, FOAM	1	
			USED ON ASM 0811865 ONLY		
- 47	2190808		• COVER, MEMORY CARD	1	
			USED ON ASM 2190824 ONLY		
- 47	811864		• COVER, MEMORY CARD	1	
			USED ON ASM 0811865 ONLY		
- 48	2191096		• PLATE, INSTRUCTION-MEMORY DECAL	1	
			USED ON ASM 2190824 ONLY		
- 49	2194975		RETAINER ASM	1	B
- 49	2194975		RETAINER ASM	1	C
- 49	811881		RETAINER ASM	1	A
- 50	55726		SCREW, MACH-BIND HD 6-32 X .188 LG	4	
- 51	811441		• SEAL	2	
			USED ON ASM 2194775 ONLY		
- 51	811441		• SEAL	1	
			USED ON ASM 0811881 ONLY		
- 52	2194976		• BAR, CABLE RETAINER-MEMORY	1	
			USED ON ASM 2194775 ONLY		
- 52	811896		• RETAINER	1	
			USED ON ASM 0811881 ONLY		
- 53	2190819		BRACKET, STORAGE-LOWER HINGE	1	B
- 53	2190819		BRACKET, STORAGE-LOWER HINGE	1	C
- 53	811850		BRACKET-HINGE-LOWER	1	A
- 54	734483		SCREW, PAN HD- 6-32 X 0.380 LG	2	
- 55	2243181		CABLE ASM, FLAT, EXPANDED MEMORY TO B GATE	1	
			FOR COMPONENT PARTS SEE 44-75		
			76, 77 AND 78		



FOR PARTS
NOT SHOWN
SEE FIG. 17 & 18

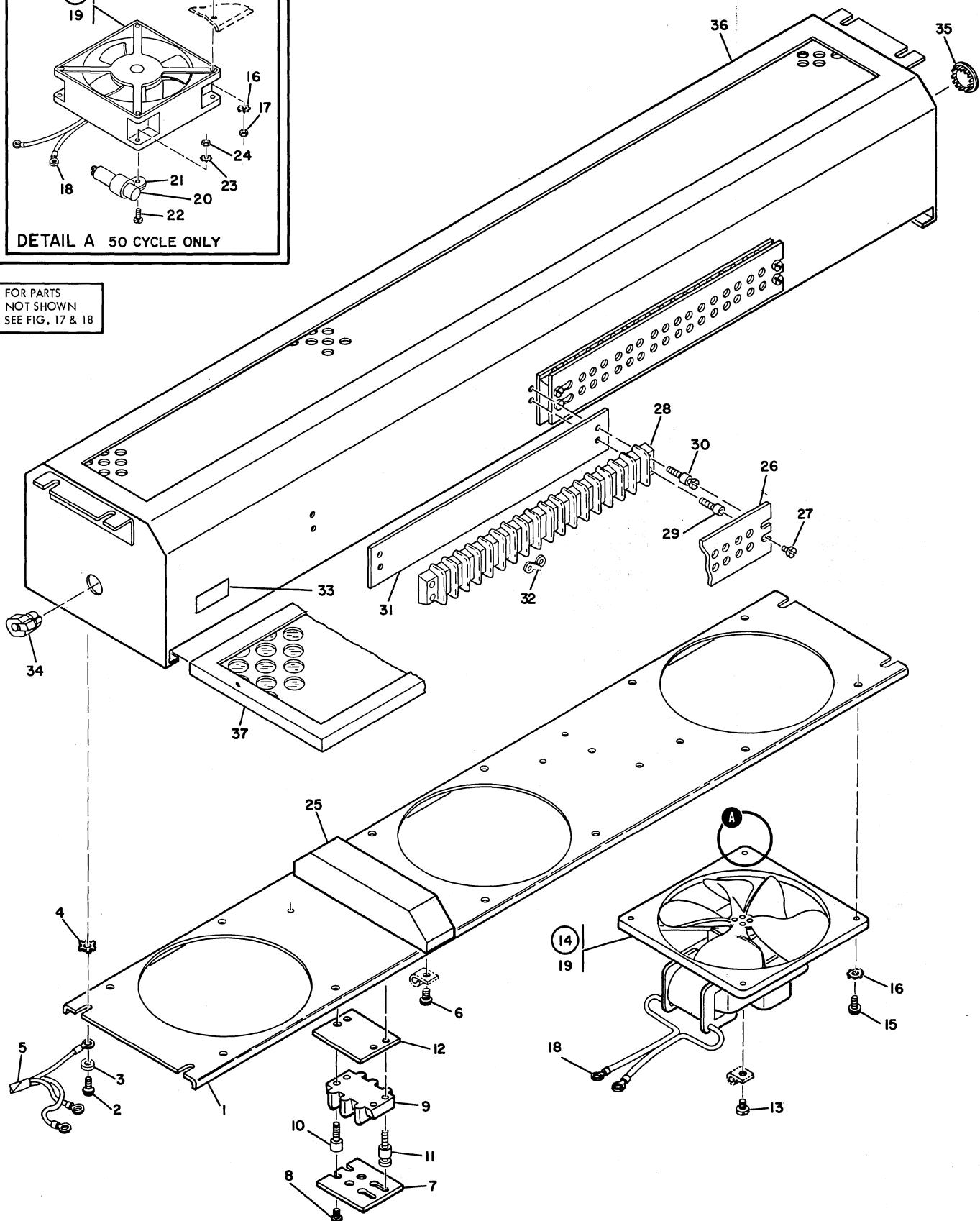


FIGURE 19. BLOWER ASSEMBLY. SEE LIST 19.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			BLOWER ASSEMBLY		
19 -			CODE A USED ON 60 CYCLE CODE B USED ON 50 CYCLE CODE C USED ON ASM 2197144 ONLY CODE D USED ON 1132/2501/SCA ONLY		
-	2190660		BLOWER ASM-FAN 60 CYCLE A GATE	REF	A
-	2190662		BLOWER ASM-FAN,50 CYCLE A GATE FOR ILLUSTRATION SEE FIGURE 19 FOR NEXT HIGHER ASM SEE LIST 17-38	REF	B
-	2190661		BLOWER ASM-FAN 60 CYCLE B GATE	REF	A
-	2190548		BLOWER ASM-FAN,50 CYCLE B GATE FOR ILLUSTRATION SEE FIGURE 19 FOR NEXT HIGHER ASM SEE LIST 18-33	REF	B
- 1	2190694		• PLATE,FAN MTG	1	A
- 1	2190726		• PLATE,FAN MTG	1	B
- 2	234317		• SCREW,ASMD WASHER-FIL H 8-32 X 5/16 LG	4	
- 3	22478		• WASHER,FL 0.170 ID 0.375 OD 0.032 THK	4	
- 4	55901		• WASHER, LOCK, EXT TEETH - .176 DIA	1	
- 5	2190712		• CABLE ASM-GATE BLOWER FOR COMPONENT PARTS SEE LIST 44-2B,3B	1	
- 6	811426		• SCREW,MACH-PAN HD 6-32 X 3/8 IN. LG	9	
- 7	187467		• SHIELD, 2 POSITION	2	
- 8	210984		• SCREW,MACH RH 6-32 X .25	2	
- 9	323840		• TERMINAL BOARD- 2 DBL SCREW TERMINALS	2	
- 10	210985		• STUD, EXT 8-32 X 1/2 INT 6-32 X 0.19 DP	2	
- 11	210986		• STUD, SLOTTED 8-32 X 1/2 LG THREAD	6	
- 12	2101380		• MARKER STRIP- 2 POS NOS. 1 AND 2	2	
- 13	32042		• SCREW, MACH BIND. HD 10-32 X 3/8 LG.	2	
- 14	2190725		• FAN ASM- 115 VOLT 60 CYCLE	2	A
- 14	2190725		• FAN ASM- 115 VOLT 60 CYCLE USED ON ASM 2190660 ONLY	3	D
- 14	2190900		• FAN ASM- 50 CYCLE 220V AC	2	
- 14	2190900		• FAN ASM- 50 CYCLE 220V AC USED ON ASM 2190662 ONLY	3	D
- 14	2190725		• FAN ASM- 115 VOLT 60 CYCLE USED ON ASM 2190661 ONLY	3	
- 14	2190900		• FAN ASM- 50 CYCLE 220V AC	2	
- 14	2197144		• FAN ASM- 50 CYCLE 220V AC USED ON ASM 2190548 ONLY	1	
- 15	322550		• SCREW,MACH-BIND HD 6-32 X 1/2 LG USED WITH FAN 2190725 AND 2197144	ATT PT	AR
- 15	38235		• SCREW,BIND HD 6-32 X .312 LONG USED WITH FAN 2190900 ONLY	ATT PT	8
- 16	6364		• WASHER,LOCK-SPLIT NO. 6 X 1/4 OD	ATT PT	AR
- 16	56722		• WASHER-LOCK,EXT T, .150 ID	ATT PT	B
- 17	257187		• NUT,HEX 6-32 NC	ATT PT	4
- 18	334921		• TERMINAL-LUG NO.22 THRU NO.18 WIRE INSUL		B
- 19	2172165		• FAN-115 VOLT 60 CYCLE USED ON ASM 2190725 ONLY		2
- 19	4120171		• FAN-220 VOLT 50 CYCLE USED ON ASM 2190900 ONLY		1
- 19	4120173		• FAN USED ON ASM 2197144 ONLY		1
- 20	4116231		• CAPACITOR,FXD,PAPER- 2MFD P/M 10% 200VAC		C
- 21	4062615		• CLAMP-CAPACITOR		C
- 22	322550		• SCREW,MACH-BIND HD 6-32 X 1/2 LG	ATT PT	C
- 23	56722		• WASHER-LOCK,EXT T, .150 ID	ATT PT	C
- 24	257187		• NUT,HEX 6-32 NC	ATT PT	C
- 25	2191016		• BAFFLE,FAN-GATE USED ON B GATE ONLY		C
- 26	187471		• SHIELD- 18 POSITION		2
- 27	210984		• SCREW,MACH RH 6-32 X .25		2
- 28	513654		• TERMINAL BOARD- 18 DBL SCREW TERMINALS		2
- 29	210986		• STUD, SLOTTED 8-32 X 1/2 LG THREAD	ATT PT	6
- 30	210985		• STUD, EXT 8-32 X 1/2 INT 6-32 X 0.19 DP	ATT PT	2
- 31	454505		• STRIP,MARKER		2
- 32	367115		• JUMPER-TERMINAL STRIP VDC DISTR BRS		28
- 33	369207		• LABEL-VOLTAGE		1
- 34	107611		• BUSHING		1
- 35	1143048		• PLUG,SNAP IN- 0.656 HOLE		1
- 36	2190564		• HOUSING- GATE BLOWER		1
- 37	2190693		PARTS NOT INCLUDED WITH ASM FILTER,AIR 5.00 X 28.00		1

FOR PARTS
NOT SHOWN
SEE FIG. 15

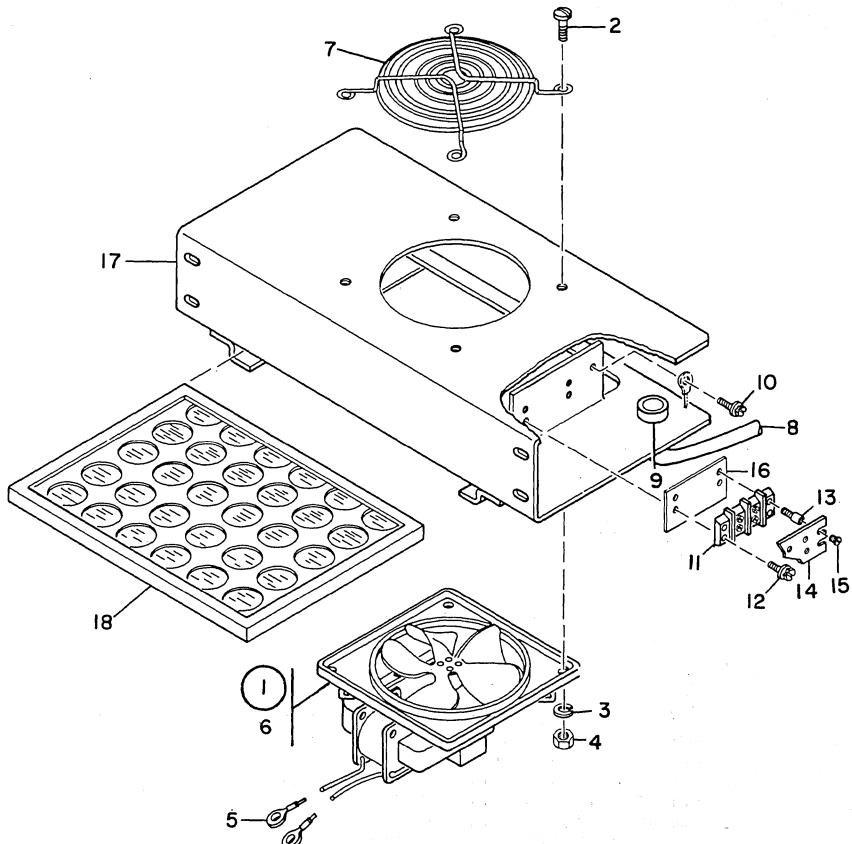


FIGURE 20. BLOWER ASSEMBLY, POWER SUPPLY. SEE LIST 20.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
				REF	REF
20 -	2243225		BLOWER ASSEMBLY,POWER SUPPLY		
-	2243318		BLOWER ASM,POWER SUPPLY,60 CY. BLOWER ASM,POWER SUPPLY,50 CY FOR ILLUSTRATION SEE FIGURE 20 FOR NEXT HIGHER ASM SEE LIST 15-100		
- 1	2190725		• FAN ASM- 115 VOLT 60 CYCLE	1	
- 1	2190900		• FAN ASM- 50 CYCLE 220V AC	1	
- 2	322065		• SCREW,MACH-BIND HD 6-32 X 5/8 LG USED ON 60 CYCLE ONLY	4	
- 2	170215		• SCREW,ASMD WASHER-FIL H 6-32 X 3/8 LG USED ON 50 CYCLE ONLY	4	
- 3	6364		• WASHER,LOCK-SPLIT NO. 6 X 1 1/4 OD USED ON 60 CYCLE ONLY	4	
- 4	257187		• NUT,HEX 6-32 NC USED ON 60 CYCLE	4	
- 5	334921		• • TERMINAL-LUG NO.22 THRU NO.18 WIRE INSUL	2	
- 6	2172165		• • FAN-115 VOLT 60 CYCLE	1	
- 6	4120171		• • FAN-220 VOLT 50 CYCLE	1	
- 7	2172166		• GUARD,FAN 60 CYCLE	1	
- 8	2243161		• CABLE ASM,P/S BLOWER TO TB 1 FOR COMPONENTS SEE LIST 44-1 AND 2C	1	
- 9	107611		• BUSHING	1	
- 10	2181005		• SCREW, SELF TAPPING, 6-32 X .375 LG.	1	
- 11	323840		• TERMINAL BOARD- 2 DBL SCREW TERMINALS	1	
- 12	322550		• SCREW,MACH-BIND HD 6-32 X 1/2 LG	2	
- 13	210883		• STUD, EXT 6-32 X 1 1/2 INT 6-32 X 0.19 DP	ATT PT	
- 14	369351		• SHIELD,2 POSITION	2	
- 15	1127733		• SCREW,MACH-SLTD HD 6-32 X 1/4 LG	2	
- 16	2101380		• MARKER STRIP- 2 POS NOS. 1 AND 2	1	
- 17	2243144		• HOUSING,BLOWER	1	
			PARTS NOT INCLUDED WITH ASM		
- 18	5357064		FILTER,AIR- 4.88 X 18.50 INCHES	1	

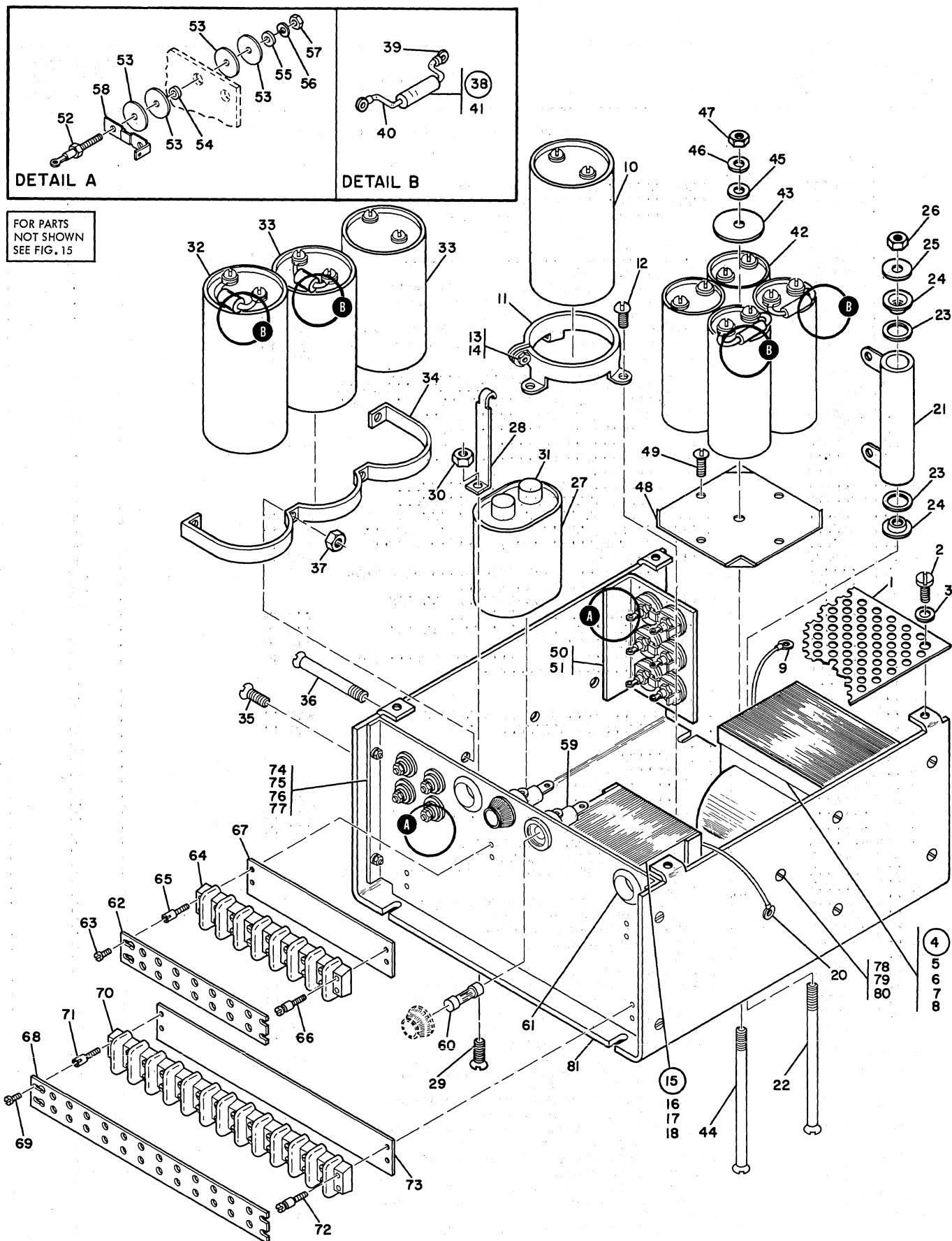


FIGURE 21. POWER SUPPLY ASSEMBLY, MULTI LEVEL. SEE LIST 21.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
				REF	REF
			POWER SUPPLY ASSEMBLY, MULTI LEVEL		
21 -	5760700		POWER SUPPLY ASM,MIDPACK,60 CY		
-	5760710		POWER SUPPLY ASM,MIDPACK,50 CY FOR ILLUSTRATION SEE FIGURE 21 FOR NEXT HIGHER ASM SEE LIST 15-53		
- 1	5760790		COVER, TOP	1	
- 2	10170		SCREW-MACH,BIND HD NO. 6-32 X .250 LG	4	
- 3	257986		WASHER,FLAT NO. 6	4	
- 4	5760703		TRANSFORMER,POWER-STEP DOWN 60 CYCLE	1	
- 4	5760699		TRANSFORMER,POWER-STEP DOWN 50 CYCLE	1	
- 5	25891		SCREW,MACH-FL CSK HD 10-32 X 1/2 LG	4	
- 6	45690		WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	4	
- 7	9092		WASHER-LOCK,SPLIT RING, .194 ID .337OD	4	
- 8	11598		NUT, HEX 10-32	4	
- 9	334910		TERMINAL-LUG NO.16 THRU NO.14 WIRE		AR
- 9	2101326		TERMINAL-CLIP,BARREL NO.12-10 WIRE INSUL		AR
- 9	186968		TERMINAL,LUG-INS 10/12AWG NO. 8 MTG HOLE		AR
- 10	5239119		CAPACITOR, CAN TYPE- 18000 UF 55 VDC	2	
- 11	1176717		CLAMP-CAPACITOR STEEL 2.56 DIA	2	
- 12	55726		SCREW,MACH-BIND HD 6-32 X .188 LG	6	
- 13	34512		SCREW,MACH-BIND HD 8-32 X 3/8 LG	2	
- 14	257189		NUT, HEX 8-32	2	
- 15	5760704		TRANSFORMER,FERRO RESONANT-60 CYCLE	1	
- 15	5760719		TRANSFORMER,FERRO RESONANT-50 CYCLE	1	
- 16	25891		SCREW,MACH-FL CSK HD 10-32 X 1/2 LG	4	
- 17	45690		WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	4	
- 18	9092		WASHER-LOCK,SPLIT RING, .194 ID .337OD	4	
- 19	11598		NUT, HEX 10-32	4	
- 20	334921		TERMINAL-LUG NO.22 THRU NO.18 WIRE INSUL		AR
- 20	517913		CLIP, SLIP ON NO 18-16 AWG		AR
- 21	504694		RESISTOR,FXD,WW- 200 OHMS P/M 5% 50W	1	
- 22	207356		SCREW,MACH-FH 8-32 X 5 IN. LG	1	
- 23	521695		INSULATOR,WASH- 1/2 ID 1 OD 1/32 THK	2	
- 24	528007		WASHER,CENTERING	2	
- 25	131713		WASHER,FL- 3/16 ID X 11/16 OD X 1/16 THK	1	
- 26	5761938		NUT/LOCKWASHER ASSEMBLY - 8-32	1	
- 27	1143069		CAPACITOR	1	
- 28	591587		BRACKET	2	
- 29	19944		SCREW,MACH-BIND HD 8-32 X 3/4 LG	2	
- 30	5761938		NUT/LOCKWASHER ASSEMBLY - 8-32	3	
- 31	526378		CAP	2	
- 32	5239120		CAPACITOR	1	
- 33	5760613		CAPACITOR	2	
- 34	5760697		CLAMP,CAPACITOR MTG	1	
- 35	316807		SCREW,MACH-FH,NO. 6-32 X .375 LG	2	
- 36	5213285		SCREW,MACH-FL CSK HD 6-32 X 2-1/2 LG	2	
- 37	5761943		NUT,HEX 10-32 NC	4	
- 38	5261936		RESISTOR ASSEMBLY,200 OHMS 5W	2	
- 38	5712377		RESISTOR ASSEMBLY-70 OHM 5 WATT		
- 39	334932		TERMINAL-LUG NO.18 THRU NO.22 WIRE INSUL	2	
- 40	113819		TUBING	2	
- 41	477144		RESISTOR, WIREWOUND - 200 OHM 5W	1	
- 41	208190		RESISTOR, 70 OHMS 5WATT	1	
- 42	5709382		CAPACITOR,FXD,ELECTROLYTIC,0.047 UF	4	
- 43	323543		RETAINER,CAPACITOR	1	
- 44	2102526		BOLT	1	
- 45	3550		WASHER,FLAT 1/4 ID-9/16-OD-0.05 THICK	1	
- 46	6935		WASHER,LOCK-SPLIT 1/4 X 0.493 OD	1	
- 47	3960		NUT,PLAIN,HEX- 1/4-20 X 7/16 FL W	1	
- 48	511097		PLATE-CAPACITOR MOUNTING	1	
- 49	236849		SCREW,MACH-BIND HD 10-32 X 1/4 LG	4	
- 50	5760707		BRACKET,SEMICONDUCTOR MTG	1	
- 51	38443		SCREW,MACH-FL CSK HD 6-32 X 5/16 LG	4	
- 52	598479		SEMICONDUCTOR DEVICE,D10- 150V 10 AMP USED ON CR1,CR2,CR9,CR10	4	
- 52	127324		SEMICONDUCTOR DEVICE,D10- 150V 30 AMP USED ON CR3,CR4,CR5,CR6	4	
- 52	598480		SEMICONDUCTOR DEVICE,D10- 150V 10 AMP USED ON CR7,CR8	2	
- 53	217019		WASHER,INSULATING .199 ID 1.00 OD USED ON CR3,CR4,CR5,CR6 ONLY	24	
- 53	217017		WASHER-INSULATING USED ON CR3,CR4,CR5,CR6 ONLY	16	
- 54	192733		WASHER,FL- 0.203 ID X 0.312 OD X 1/16THK USED ON CR3,CR4,CR5,CR6 ONLY	6	
- 54	473592		INSULATOR USED ON CR3,CR4,CR5,CR6 ONLY	4	

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			POWER SUPPLY ASSEMBLY, MULTI LEVEL -CONT		
21 - 55	45690		• WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	ATT PT	6
- 55	3550		• WASHER,FLAT 1/4 ID-9/16-OD-0.05 THICK USED ON CR3,CR4,CR5,CR6 ONLY	ATT PT	4
- 56	76574		• WASHER, LOCK-EXT. TEETH .250 USED ON CR3,CR4,CR5,CR6 ONLY	ATT PT	4
- 57	5761908		• NUT,HEX 10-32 NC	ATT PT	6
- 57	160017		• NUT,PLAIN,HEX- 1/4-28 X 7/16 FL W USED ON CR3,CR4,CR5,CR6 ONLY	ATT PT	4
- 58	478043		• JUMPER - PLATE		5
- 59	179946		• HOLDER-FUSE		2
- 60	1143492		• FUSE, 4AMP		1
- 60	512137		• FUSE,5 AMP-LONG TIME LAG		1
- 61	5761936		• GROMMET		2
- 62	187466		• SHIELD- 12 POSITION		1
- 63	210984		• SCREW,MACH RH 6-32 X .25	ATT PT	1
- 64	323842		• TERMINAL BLOCK, 12 POSITION		1
- 65	210985		• STUD, EXT 8-32 X 1/2 INT 6-32 X 0.19 DP	ATT PT	1
- 66	210986		• STUD, SLOTTED 8-32 X 1/2 LG THREAD	ATT PT	3
- 67	460471		• STRIP-INSULATING		1
- 68	210998		• SHIELD- 16 POSITION		1
- 69	210984		• SCREW,MACH RH 6-32 X .25		1
- 70	91892		• TERMINAL BOARD- 16 DBL SCREW TERMINALS		1
- 71	210985		• STUD, EXT 8-32 X 1/2 INT 6-32 X 0.19 DP	ATT PT	1
- 72	210986		• STUD, SLOTTED 8-32 X 1/2 LG THREAD	ATT PT	3
- 73	5213178		• MARKER STRIP- 16 POSITION		1
- 74	5760715		• FRONT PLATE,POWER SUPPLY		1
- 75	316807		• SCREW,MACH-FH,NO. 6-32 X .375 LG	ATT PT	4
- 76	257986		• WASHER,FLAT NO. 6	ATT PT	4
- 77	5761943		• NUT,HEX 10-32 NC	ATT PT	4
- 78	118615		• SCREW,MACH-FH 10-32 X 5/16 LG		1
- 79	56079		• WASHER-LOCK,EXT T .204 ID .410 OD		1
- 80	11598		• NUT, HEX 10-32		1
- 81	5760708		• HOUSING,POWER SUPPLY		1

FOR PARTS
NOT SHOWN
SEE FIG. 15

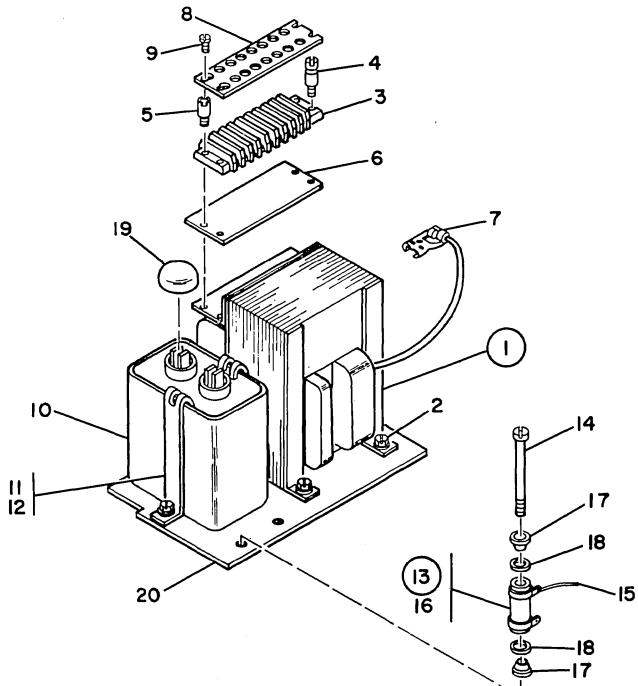


FIGURE 22. TRANSFORMER ASSEMBLY. SEE LIST 22.

LIST AND INDEX NO.	PART NO.	DESCRIPTION				UNITS PER ASM.	USABLE ON CODE
		1	2	3	4		
TRANSFORMER ASSEMBLY							
22 -	2243314	TRANSFORMER ASM,7.25 VAC 25 AMP,60 CY					REF
-	2243315	TRANSFORMER ASM,7.25 VAC 25 AMP,60 CY					REF
-	2243323	TRANSFORMER ASM,7.25 VAC 25 AMP,50 CY					REF
		FOR ILLUSTRATION SEE FIGURE 22					
		FOR NEXT HIGHER ASM SEE LIST 15-93					
- 1	5708993	• TRANSFORMER-115V 60 CYCLE					1
- 1	5708922	• TRANSFORMER-208V/230V 60 CYCLE					1
- 1	5708991	• TRANSFORMER-FERRORESONANT REG. 50 CYCLE					1
- 2	2181004	• SCREW,THREAD FORMING-HEX WASHER HD	ATT PT				4
- 3	80880	• • TERMINAL BOARD- 6 DBL SCREW TERMINALS					1
- 3	603248	• • TERMINAL BOARD- 14 DBL SCREW TERMINALS					1
- 3	91469	• • TERMINAL BOARD- 4 DBL SCREW TERMINALS					1
- 3	317145	• • TERMINAL BOARD- 8 DBL SCREW TERMINALS					1
- 4	210986	• • STUD, SLOTTED 8-32 X 1/2 LG THREAD	ATT PT				3
- 5	210985	• • STUD, EXT 8-32 X 1/2 INT 6-32 X 0.19 DP	ATT PT				1
- 6	529084	• • MARKER STRIP-6 POSITION					1
- 6	351797	• • MARKER STRIP-14 POSITION					1
- 6	322271	• • MARKER STRIP-4 POSITION					1
- 6	360339	• • MARKER STRIP-8 POSITION					1
- 7	517913	• CLIP, SLIP ON NO 18-16 AWG					2
- 8	2197160	• SHIELD, TERMINAL BLOCK-6 POSITION					1
- 8	603683	• SHIELD, TERMINAL BLOCK- 14 POSITION					1
- 8	186945	• SHIELD, TERMINAL BLOCK- 8 POSITION					1
- 8	187858	• SHIELD, TERMINAL BLOCK- 4 POSITION					1
- 9	210984	• SCREW, MACH RH 6-32 X .25	ATT PT				1
- 10	361536	• CAPACITOR, PAPER-30 UF 330VAC					1
- 11	563891	• CLAMP, CAPACITOR MTG					2
- 12	5350012	• SCREW, THD FORMING HEX WSR HD 8-32 X .25					2
- 13	2191093	• RESISTOR ASM-0.16 OHM 25W					1
- 13	2243002	• RESISTOR ASM-3.0 OHM 25W					1
- 14	438582	• SCREW, MACH-FIL H 8-32 X 2-1/4 LG	ATT PT				2
- 15	2191092	• • LEAD, ELECTRICAL-BLACK 14.00 IN. LG FOR COMPONENT PARTS SEE LIST 44-2B, 3B					2
- 16	5261119	• • RESISTOR, 0.16 OHM 25 WATTS WIREWOUND USED ON 2191093 ONLY					1
- 16	620232	• • RESISTOR, FWD, WW- 3 OHMS P/M 10% 25W USED ON 2243002 ONLY					1
- 17	510468	• CUP WASHER					4
- 18	508224	• WASHER-INSULATOR					4
- 19	526378	• CAP					2
- 20	2243319	• PLATE, TRANSFORMER MTG					1

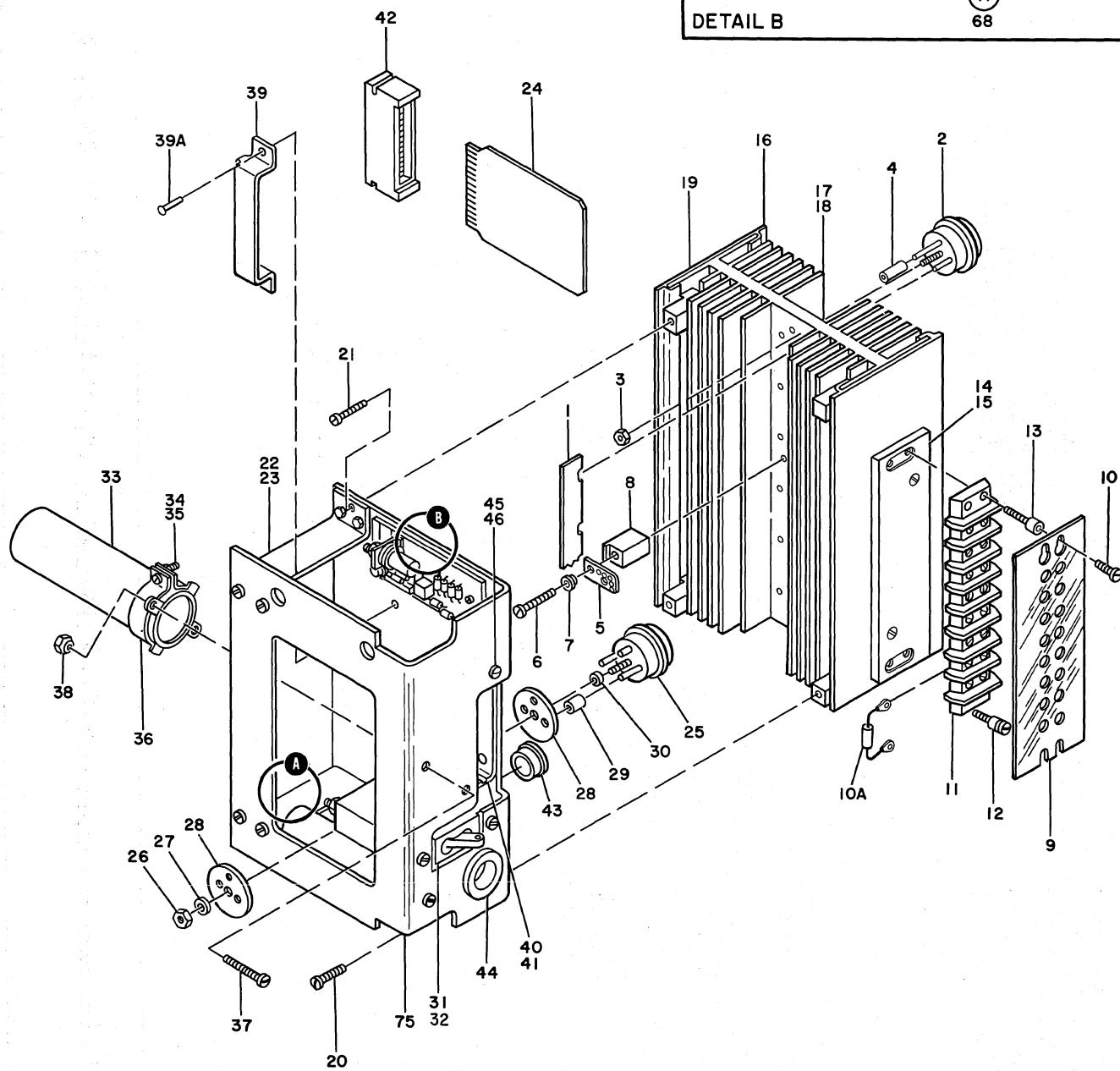
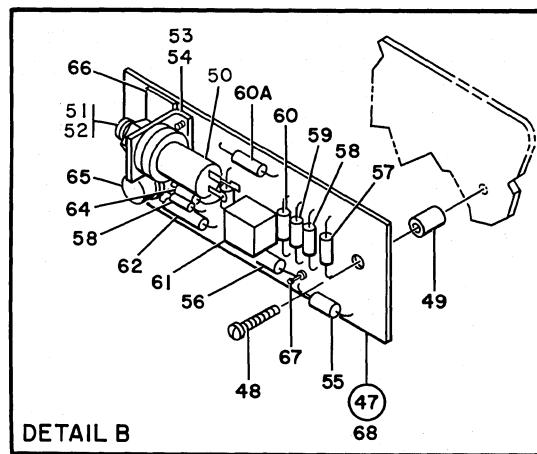
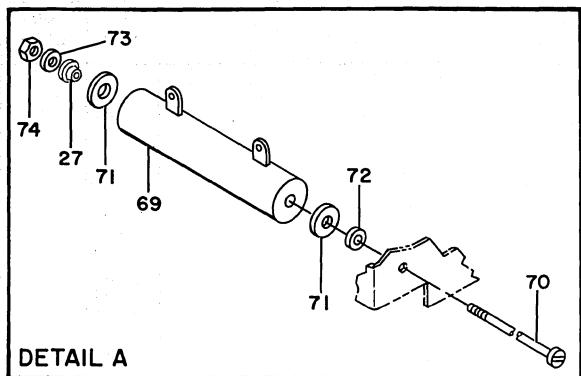


FIGURE 23. POWER PAC AS, 6VOLT 24 AMP. SEE LIST 23.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
23 -	5762030		POWER PAC ASSEMBLY, 6V 24 AMP POWER ASM,6VOLT AT 24 AMP FOR ILLUSTRATION SEE FIGURE 23 FOR NEXT HIGHER ASM SEE LIST 15-94		REF
- 1	5762046		• BUS,STRIP	1	
- 2	369214		• TRANSISTOR,TYPE 108	6	
- 3	11598		• NUT, HEX 10-32 X .375 FL W	AR	
- 4	5761976		• TUBING	4	
- 5	5762037		• TERMINAL	1	
- 6	5762058		• SCREW,HEX- 6-32 X 1.125 LG	AR	
- 7	1134232		• WASHER	AR	
- 8	5762036		• STANDOFF	AR	
- 9	473545		• SHIELD,9 POSITION	1	
- 10	210984		• SCREW,MACH RH 6-32 X .25 LG	AR	
10A	5762197		• CAPACITOR,75MFD- 25VDC	1	
- 11	323844		• BLOCK,TERMINAL 9 POSITION	3	
- 12	4118820		• STUD,T.B. MOUNTING	1	
- 13	4118821		• STUD,SHIELD MOUNTING	1	
- 14	5762013		• STRIP,MARKER- 9 POSITION	AR	
- 15	80651		• SCREW,THD CTG-BIND HD 6-32 X 3/8 LG	2	
- 16	5762026		• SEAL,AIR	1	
- 17	5762016		• HEAT SINK,6 TRANSISTOR MTG	AR	
- 18	255629		• SCREW,THD CTG-FL CSK HD NO. 6 X 1/2 LG	4	
- 19	5762034		• INSULATOR,HEATSINK	AR	
- 20	91610		• SCREW,THD CTG-BIND HD 6-32 X 1/2 LG	AR	
- 21	80652		• SCREW,THD CTG-BIND HD 6-32 X 5/8 LG	2	
- 22	5762033		• BRACKET,SPACER	AR	
- 23	186759		• SCREW,MACH-BIND HD 8-32 X 5/16 LG	AR	
- 24	375202		• CARD ASM	1	
- 25	369214		• TRANSISTOR,TYPE 108	1	
- 26	11598		• NUT, HEX 10-32 X .375 FL W	AR	
- 27	45690		• WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	AR	
- 28	550768		• INSULATOR	2	
- 29	5761976		• TUBING	2	
- 30	473582		• INSULATOR	1	
- 31	5214590		• CIRCUIT PROTECTOR,26AMP,50VDC- 1 POLE	1	
- 32	10170		• SCREW-MACH,BIND HD NO. 6-32 X .250 LG	AR	
- 33	730429		• CAPACITOR,FXD,ELECT- 11,000 MFD 10V DCW	1	
- 34	38354		• SCREW,MACH-FIL H 6-32 X 1/2 LG	AR	
- 35	5761943		• NUT,HEX 10-32 NC	AR	
- 36	301768		• BRACKET	1	
- 37	38235		• SCREW,BIND HD 6-32 X .312 LONG	AR	
- 38	5761943		• NUT,HEX 10-32 NC	AR	
- 39	5761904		• BRACKET	1	
- 39A	5761907		• RIVET	AR	
- 40	5712309		• GUIDE	1	
- 41	5761907		• RIVET	AR	
- 42	216076		• TERMINAL BLOCK AND CONTACT ASSEMBLY	1	
- 43	5762057		• GROMMET,SNAP BUSHING	1	
- 44	5761936		• GROMMET,SELF LOCKING- 1.0 IN OD	1	
- 45	236849		• SCREW,MACH-BIND HD 10-32 X 1/4 LG	AR	
- 46	56079		• WASHER-LOCK,EXT T .204 ID .410 OD	AR	
- 47	5761988		• OVERVOLTAGE CARD ASSEMBLY, 6 VOLT	1	
- 48	438550		• SCREW,MACH-BIND HD 4-40 X 1/2 LG	AR	
- 49	332779		• SPACER	2	
- 50	5214335		• SEMICONDUCTOR,CONTROLLED RECTIFIER	AR	
- 51	83462		• LOCKNUT- 1/4-28	AR	
- 52	76574		• LOCKWASHER-EXT TOOTH ID .267 X OD .510	1	
- 53	5762153		• BRACKET,SCR MTG	AR	
- 54	438548		• SCREW,MACH-BIND HD 4-40 X 3/16 LG	1	
- 55	356740		• RESISTOR,FXD,COMP 270 OHMS P/M 10 % 1/2W	1	
- 56	509499		• RESISTOR,FXD,COMP- 130 OHMS P/M 5% 1/2W	1	
- 57	317009		• RESISTOR,FXD 390 OHM P/M 5 PCT 0.5W	1	
- 58	333202		• RESISTOR,FXD,COMP-240 OHMS P/M 5% 1/2W	3	
- 59	213536		• RESISTOR,FIXED COMP,100 OHM 5% 1/2 WATT	1	
- 60	322729		• RESISTOR 150 OHMS	1	
- 60A	360060		• RESISTOR,FXD,COMP-62 MEGOHM P/M 5% 1/2W	1	
- 61	361429		• RECTIFIER	1	
- 62	124580		• CAPACITOR-ELECTROLYTIC-0.47 MFD 35VDCW	1	
- 64	369611		• SEMICONDUCTOR DEVICE, DIODE	1	
- 65	535441		• TRANSISTOR-PNP TYPE 026	1	
- 66	5762004		• LABEL	1	
- 67	216258		• RECEPTACLE-PLUGGABLE CAP	2	
- 68	5761993		• BOARD ASM	1	
- 69	730499		• RESISTOR,FXD	1	
- 70	331982		• SCREW,MACH RD HD 8-32 X 1-1/4 LG	AR	
- 71	5761935		• WASHER	AR	
- 72	510468		• WASHER,CUPPED	AR	
- 73	22478		• WASHER,FL- 0.170 ID 0.375 OD 0.032 THK	AR	
- 74	5761938		• NUT/LOCKWASHER ASSEMBLY - 8-32	AR	
- 75	5762006		• CHASSIS,6 TRANSISTOR,MID-PAC	1	

FOR PARTS
NOT SHOWN
SEE FIG. 15

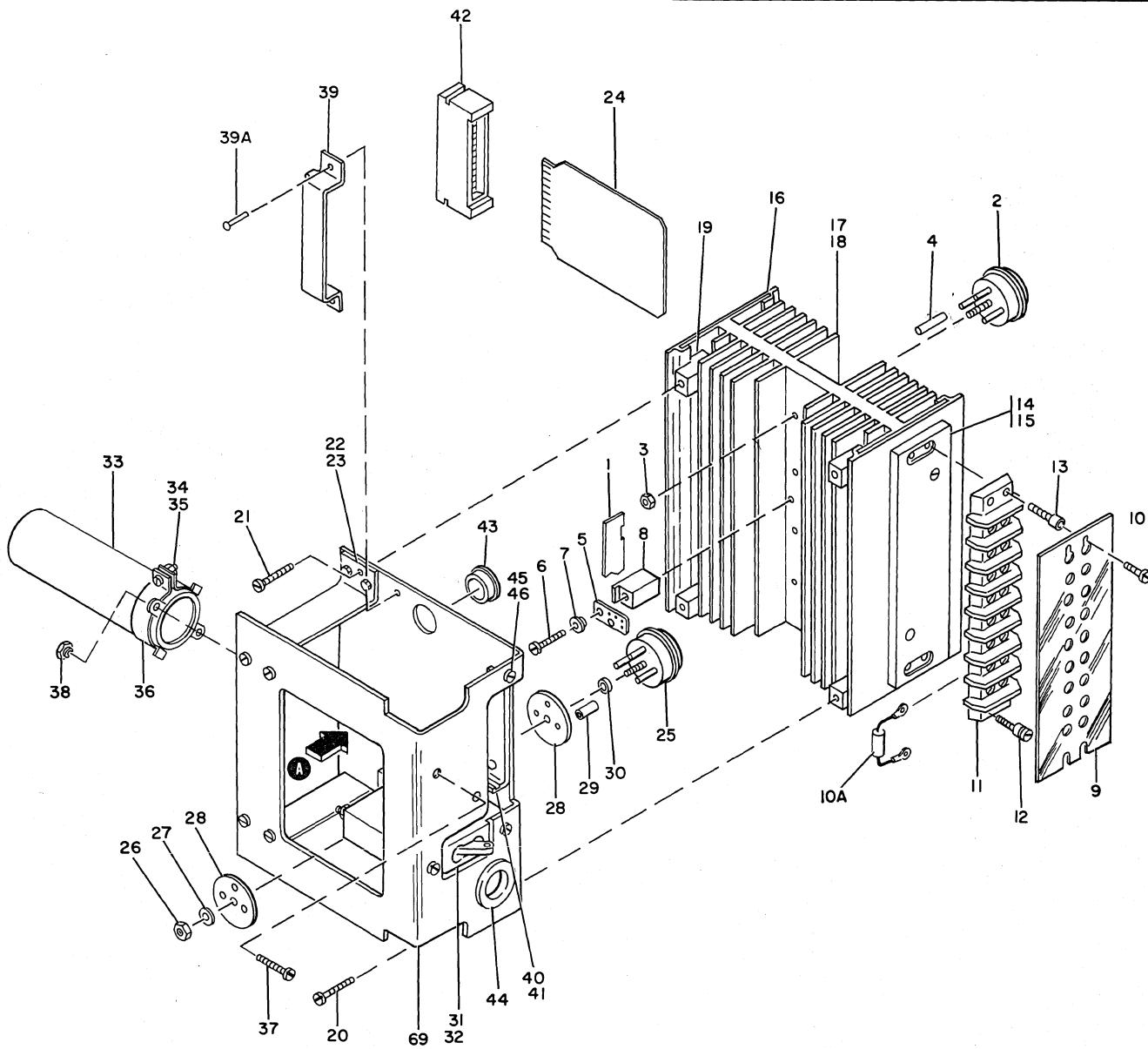
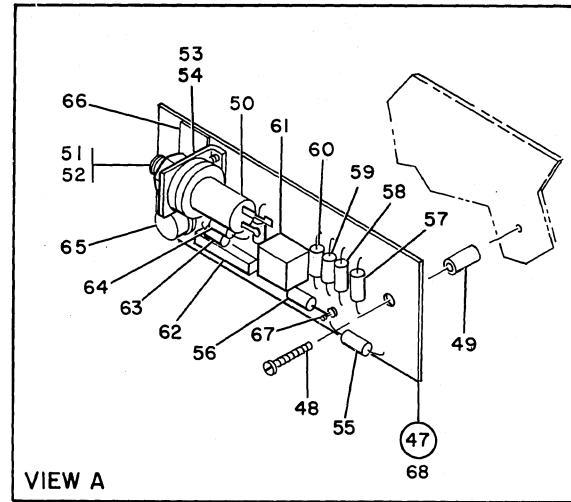
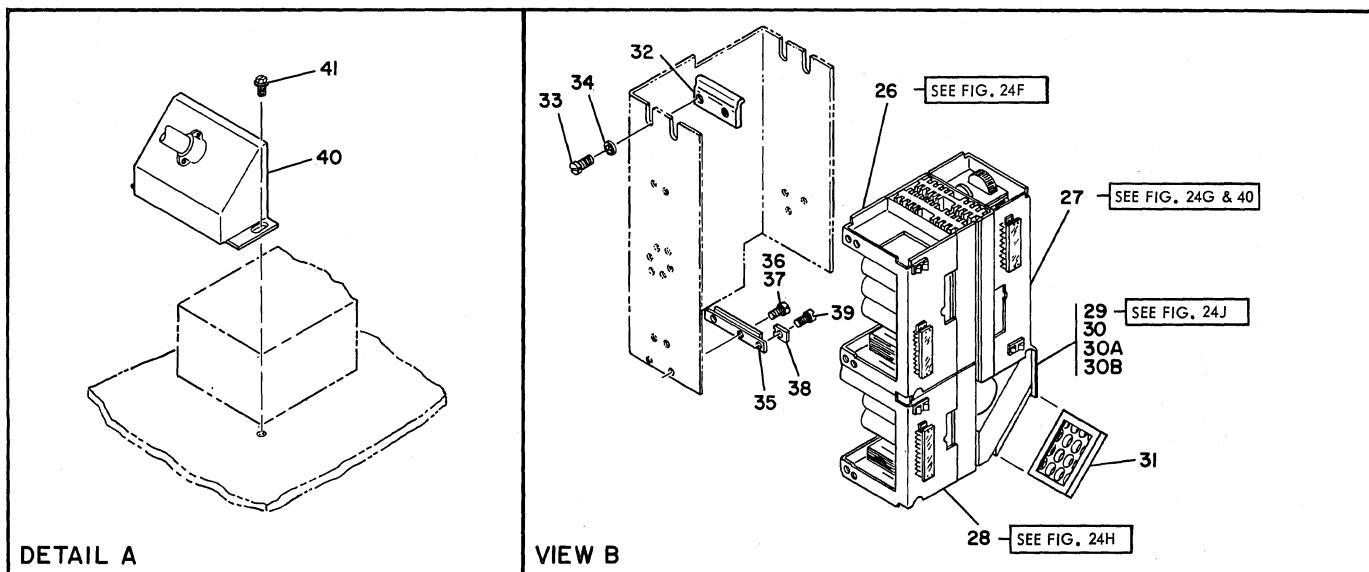


FIGURE 24. POWER PAC ASM, 3VOLT 20 AMP. SEE LIST 24.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
24 -	5762000		POWER PAC ASM, 3V 20AMP		
			POWER PAC ASSEMBLY, 3V 20AMP		REF
			FOR ILLUSTRATION SEE FIGURE 24		
			FOR NEXT HIGHER ASM SEE LIST 15-97		
- 1	5762045		• STRIP		1
- 2	369214		• TRANSISTOR,TYPE 108		4
- 3	11598		• NUT, HEX 10-32 X .375 FL W	ATT PT	4
- 4	5761976		• TUBING,PLASTIC		8
- 5	5762037		• TERMINAL		1
- 6	5762058		• SCREW,HEX- 6-32 X 1.125 LG	ATT PT	1
- 7	1134232		• WASHER, INSULATING		1
- 8	5762036		• STANDOFF		1
- 9	473545		• SHIELD,9 POSITION		1
- 10	210984		• SCREW,MACH RH 6-32 X .25 LG	ATT PT	1
- 10A	5762197		• CAPACITOR,75MFD- 25VDC		
- 11	323844		• BLOCK,TERMINAL 9 POSITION		1
- 12	4118820		• STUD,T.B. MOUNTING	ATT PT	3
- 13	4118821		• STUD,SHIELD MOUNTING	ATT PT	1
- 14	5762013		• STRIP,MARKER- 9 POSITION		1
- 15	80651		• SCREW,THD CTG-BIND HD 6-32 X 3/8 LG	ATT PT	2
- 16	5762025		• SEAL,AIR		2
- 17	5762015		• HEAT SINK,4 TRANSISTOR MTG		1
- 18	255629		• SCREW,THD CTG-FL CSK HD NO. 6 X 1/2 LG	ATT PT	4
- 19	5762034		• INSULATOR,HEATSINK		4
- 20	91610		• SCREW,THD CTG-BIND HD 6-32 X 1/2 LG	ATT PT	2
- 21	80652		• SCREW,THD CTG-BIND HD 6-32 X 5/8 LG	ATT PT	2
- 22	5762033		• BRACKET,SPACER		2
- 23	186759		• SCREW,MACH-BIND HD 8-32 X 5/16 LG	ATT PT	4
- 24	375200		• CARD ASSEMBLY		1
- 25	369214		• TRANSISTOR,TYPE 108		1
- 26	11598		• NUT,HEX 10-32 X .375 FL W	ATT PT	1
- 27	45690		• WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	ATT PT	1
- 28	550768		• INSULATOR		2
- 29	5761976		• TUBING		2
- 30	473582		• INSULATOR		1
- 31	5214553		• CIRCUIT PROTECTOR,20 AMP,50VDC- 1 POLE		1
- 32	38235		• SCREW,BIND HD 6-32 X .312 LONG	ATT PT	2
- 33	730429		• CAPACITOR,FXD,ELECT- 11,000 MFD 10V DCW		1
- 34	38354		• SCREW,MACH-FIL H 6-32 X 1/2 LG		1
- 35	5761943		• NUT,HEX 10-32 NC		1
- 36	301768		• BRACKET		1
- 37	38235		• SCREW,BIND HD 6-32 X .312 LONG	ATT PT	2
- 38	5761943		• NUT,HEX 10-32 NC	ATT PT	2
- 39	5761904		• BRACKET		1
39A	5761907		• RIVET	ATT PT	AR
- 40	5712309		• GUIDE		1
- 41	5761907		• RIVET	ATT PT	AR
- 42	216076		• TERMINAL BLOCK AND CONTACT ASSEMBLY		1
- 43	5762057		• GROMMET,SNAP BUSHING		AR
- 44	5761936		• GROMMET,SELF LOCKING- 1.0 IN OD		AR
- 45	236849		• SCREW,MACH-BIND HD 10-32 X 1/4 LG		1
- 46	56079		• WASHER-LOCK,EXT T .204 ID .410 OD		1
- 47	5761987		• OVERVOLTAGE CARD ASSEMBLY,3 VOLT		1
- 48	438550		• SCREW,MACH-BIND HD 4-40 X 1/2 LG	ATT PT	2
- 49	332779		• SPACER		2
- 50	5214335		• SEMICONDUCTOR,CONTROLLED RECTIFIER		1
- 51	83462		• LOCKNUT- 1/4-28	ATT PT	1
- 52	76574		• LOCKWASHER-EXT TOOTH ID .267 X OD .510	ATT PT	1
- 53	5762153		• BRACKET,SCR MTG		2
- 54	438548		• SCREW,MACH-BIND HD 4-40 X 3/16 LG	ATT PT	1
- 55	213536		• RESISTOR,FIXED COMP,100 OHM 5% 1/2 WATT		1
- 56	502483		• RESISTOR,FXD,COMP- 51 OHMS P/M 5% 1/2W		AR
- 56	360060		• RESISTOR,FXD,COMP-62 MEGOHM P/M 5% 1/2W		AR
- 56	521792		• RESISTOR,FXD COMP- 75 OHM P/M 5% 1/2W		AR
- 56	317390		• RESISTOR,FXD,COMP- 82 OHMS P/M 5% 1/2W		AR
- 56	334902		• RESISTOR,FXD,COMP- 91 OHMS P/M 5% 1/2W		AR
- 56	213536		• RESISTOR,FIXED COMP,100 OHM 5% 1/2 WATT		AR
- 56	132422		• RESISTOR,FXD,COMP 110 OHM P/M 5 PCT 1/2W		AR
- 57	509499		• RESISTOR,FXD,COMP- 130 OHMS P/M 5% 1/2W		2
- 58	333202		• RESISTOR,FXD,COMP-240 OHMS P/M 5% 1/2W		1
- 59	322742		• RESISTOR,FXD,COMP- 30 OHMS P/M 5% 1/2W		1
- 60	322729		• RESISTOR 150 OHMS		1
- 61	361429		• RECTIFIER		1
- 62	419184		• CAPACITOR 0.1MF 75V		1
- 63	317007		• RESISTOR,FXD,COMP- 220 OHMS P/M 5% 1/2W		1
- 64	2414815		• SEMICONDUCTOR DEVICE,DIODE		1
- 65	535441		• TRANSISTOR-PNP TYPE 026		1
- 66	5762004		• LABEL		1
- 67	216258	☒	• RECEPTACLE, PLUGABLE CAP		2
- 68	5761993	☒	• BOARD.		1
- 69	5762005		• CHASSIS,4 TRANSISTOR,MID-PAC		1



TO BE USED WITH MEDIUM POWER
SUPPLY ONLY - PRIOR TO L7
SUFFIX . FOR MIDPACK SUPPLY
AFTER L7 SUFFIX SEE FIGURE 15.

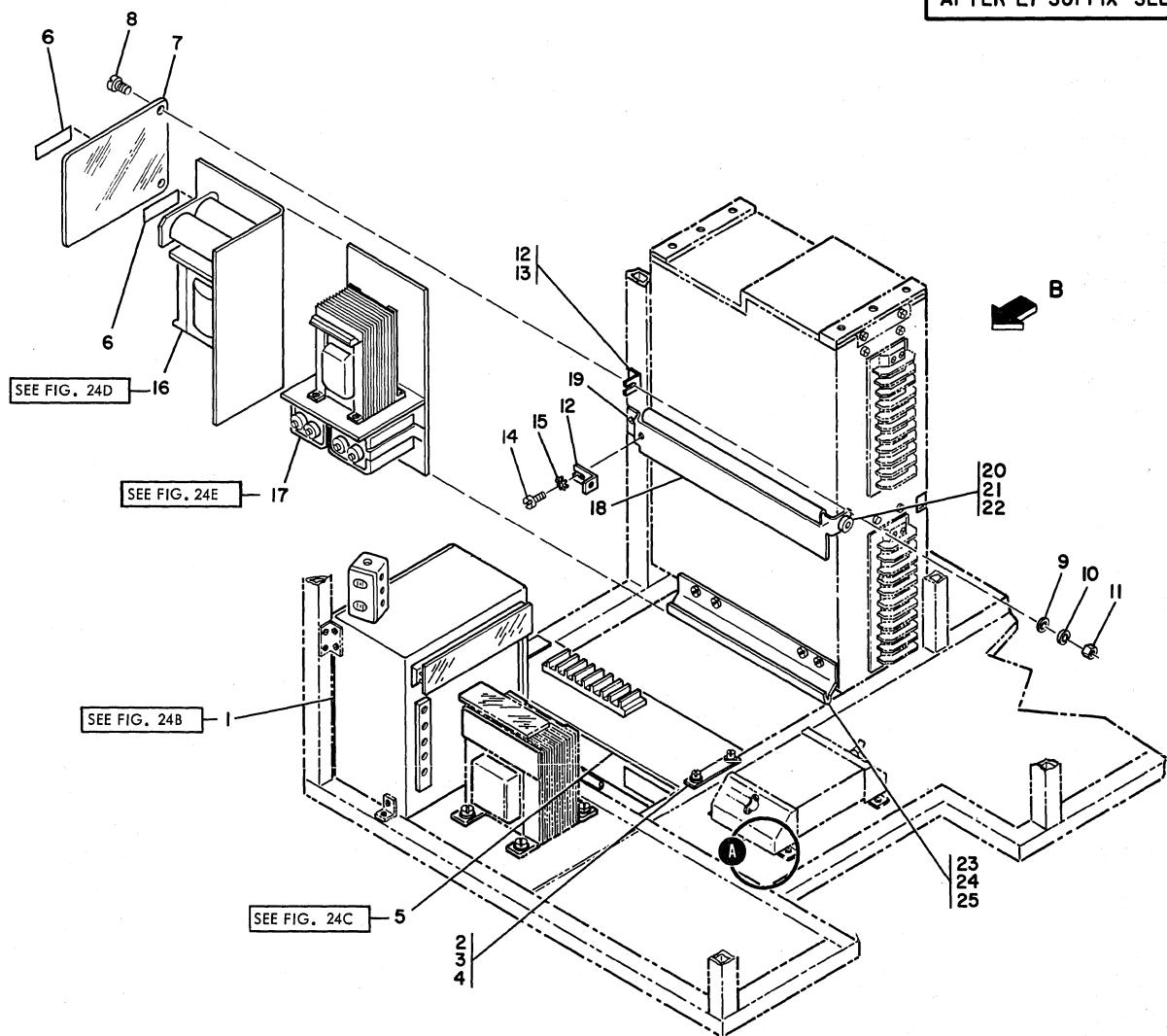
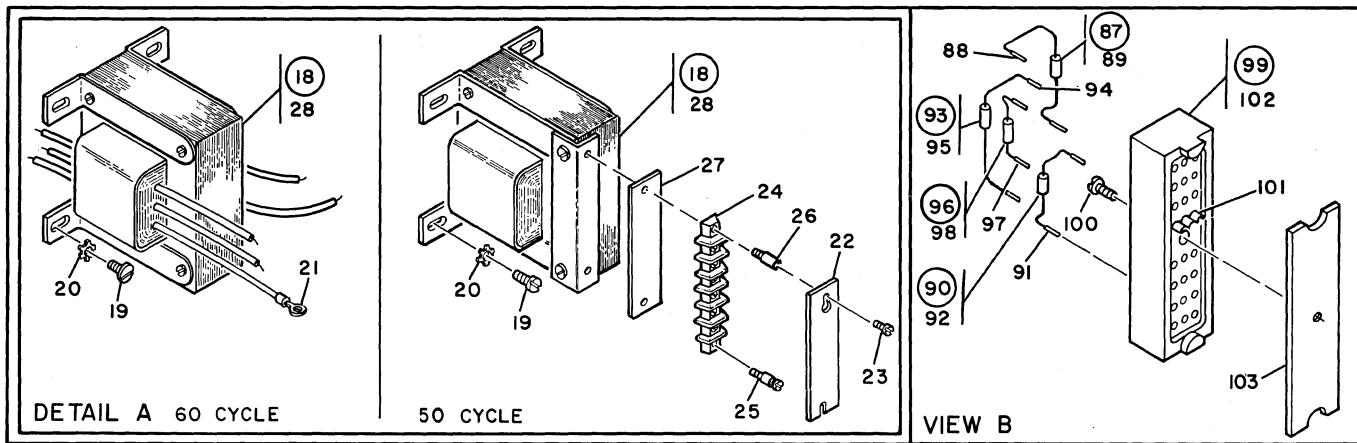


FIGURE 24A. MEDIUM POWER SYSTEM. SEE LIST 24A.

			MEDIUM POWER SYSTEM	
24A-	-	NO NO. NP	MEDIUM POWER SYSTEM USED CN MACHINES PRIOR TO L7 SUFFIX FOR ILLUSTRATION SEE FIGURE 24A	NP
-	1	2190778	• BOX ASM,SEQUENCE- 60 CYC	1
-	1	2190856	• BOX,SEQUENCE ASM- 50 CYC FOR DETAIL BREAKDOWN SEE LIST 24B	1
-	2	2190879	• CLAMP,POWER SUPPLY	2
-	3	5319888	• SCREW, SELF TAPPING, 10-32 X .625 LONG	4
-	4	2190882	• SPACER,POWER SUPPLY	2
-	5	2158753	• POWER SUPPLY ASM- 48V 2.7A 60 CPS	1
-	5	5247055	• POWER SUPPLY ASM,48 VOLT 2 7A 50 CYCLE FOR DETAIL BREAKDOWN SEE LIST 24C	1
-	6	369207	• LABEL-VOLTAGE	2
-	7	2243344	• SHIELD	1
-	8	25627	• SCREW,MACH-BIND HD 8-32 X 1/2 LG	2
-	9	22478	• WASHER,FL- 0.170 ID 0.375 OD 0.032 THK	2
-	10	1090873	• WASHER, LOCK - .168 ID X .296 OD	2
-	11	257189	• NUT, HEX 8-32	2
-	12	2190581	• BRACKET,COVER STOP	3
-	13	5319854	• SCREW, SELF TAPPING, 8-32 X .375 LONG	2
-	14	236849	• SCREW,MACH-BIND HD 10-32 X 1/4 LG	1
-	15	56079	• WASHER-LOCK,EXT T .204 ID .410 OD	1
-	16	5261818	• POWER SUPPLY ASM,12V AT 4AMPS-60 CYCLE USED WITH NO SCA 60 CYCLE ATTACHMENT	1
-	16	5760620	• POWER SUPPLY ASM,12V AT 4AMPS-60 CYCLE USED WITH SCA 60 CYCLE ATTACHMENT	1
-	16	5261992	• POWER SUPPLY ASM,12V AT 4AMPS-50 CYCLE USED WITH NO SCA 50 CYCLE ATTACHMENT	1
-	16	5260625	• POWER SUPPLY ASM,12V AT 4AMPS-50 CYCLE USED WITH SCA 50 CYCLE ATTACHMENT FOR DETAIL BREAKDOWN SEE LIST 24D	1
-	17	2191056	• TRANSFORMER ASM,115V,60 CYCLE	1
-	17	2243029	• TRANSFORMER ASM,208/230V,60 CYCLE	1
-	17	2191057	• TRANSFORMER ASM,50 CYCLE FOR DETAIL BREAKDOWN SEE LIST 24E	1
-	18	2191053	• GUIDE,UPPER	1
-	19	2181004	• SCREW,THREAD FORMING-HEX WASHER HD	1
-	20	11598	• NUT, HEX 10-32	1
-	21	56079	• WASHER-LOCK,EXT T .204 ID .410 OD	1
-	22	45690	• WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	1
-	23	2191052	• GUIDE,LOWER	1
-	24	236849	• SCREW,MACH-BIND HD 10-32 X 1/4 LG	4
-	25	56079	• WASHER-LOCK,EXT T .204 ID .410 OD	4
-	26	5239403	• POWER SUPPLY ASM,3V AT 16AMPS-60 CYCLE	1
-	26	5239421	• POWER SUPPLY ASM,3V AT 16AMPS-50 CYCLE FOR DETAIL BREAKDOWN SEE LIST 24F	1
-	27	5760610	• POWER SUPPLY ASM,6V AT 15AMPS-60 CYCLE USED WITH SCA OR 2501 60 CYCLE ATTACH	1
-	27	5760690	• POWER SUPPLY ASM,6V AT 15AMPS-50 CYCLE USED WITH SCA OR 2501 50 CYCLE ATTACH FOR DETAIL BREAKDOWN SEE LIST 24G	1
-	27	5239409	• POWER SUPPLY ASM,6V AT 12AMPS-60CYCLE USED WITH NO SCA OR NO 2501 60 CY ATTACH	1
-	27	5239427	• POWER SUPPLY ASM,6V AT 12AMPS-50CYCLE USED WITH NO SCA OR NO 2501 50 CY ATTACH FOR DETAIL BREAKDOWN SEE LIST 40	1
-	28	5239401	• POWER SUPPLY ASM,3V AT 8AMPS-60 CYCLE	1
-	28	5239419	• POWER SUPPLY ASM,3V AT 8AMPS-50 CYCLE FOR DETAIL BREAKDOWN SEE LIST 24H	1
-	29	2191045	• FAN ASM-POWER SUPPLY,60 CYCLE USED ON NO SCA OR NO 2501 60 CY ATTACH	1
-	29	2191046	• FAN ASM-PCWER SUPPLY 50 CYCLE USED ON NO SCA OR NO 2501 50 CY ATTACH FOR DETAIL BREAKDOWN SEE LIST 24J	1
-	29	2191472	• FAN ASM-POWER SUPPLY,60 CYCLE USED ON SCA OR 2501 60 CYCLE ATTACHMENT	1
-	29	2191471	• FAN ASM-POWER SUPPLY,50 CYCLE USED ON SCA OR 2501 50 CYCLE ATTACHMENT FOR DETAIL BREAKDOWN SEE LIST 24K	1
-	30	234328	• SCREW,ASMD WASHER-FIL H 10-32 X 5/16 LG	1
-	30	2181004	• SCREW,THREAD FORMING-HEX WASHER HD	AR
-	30A	45690	• WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	AR
-	30B	56079	• WASHER-LOCK,EXT T .204 ID .410 OD	AR
-	31	2191468	• FILTER,AIR,10.25 X 6.0 USED ON SCA OR 2501 ATTACHMENT FEATURE	1
-	31	2130055	• FILTER,AIR 6.00 X 6.75 USED ON NO SCA OR NO 2501 ATTACH FEATURE	1
-	32	2128509	• RETAINER-LH PWR SUPPLY UPPER	2
-	33	234328	• SCREW,ASMD WASHER-FIL H 10-32 X 5/16 LG	4
-	34	45690	• WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	4
-	35	207382	• RAIL-POWER SUPPLY MOUNTING	3
-	36	5319888	• SCREW, SELF TAPPING, 10-32 X .625 LONG	2
-	36	234333	• SCREW,ASMD WASHER-FIL H 10-32 X 3/4 LG	2
-	37	11598	• NUT, HEX 10-32	2
-	38	207293	• KEEPER-POWER SUPPLY	3
-	39	234316	• SCREW,ASMD WASHER-FIL H 8-32 X 1/4 LG	3
-	40	2191018	• COVER,FILTER	2
-	41	5350012	• SCREW, THD FORMING HEX WSR HD 8-32 X .25	4



FOR PARTS
NOT SHOWN
SEE FIG. 24A

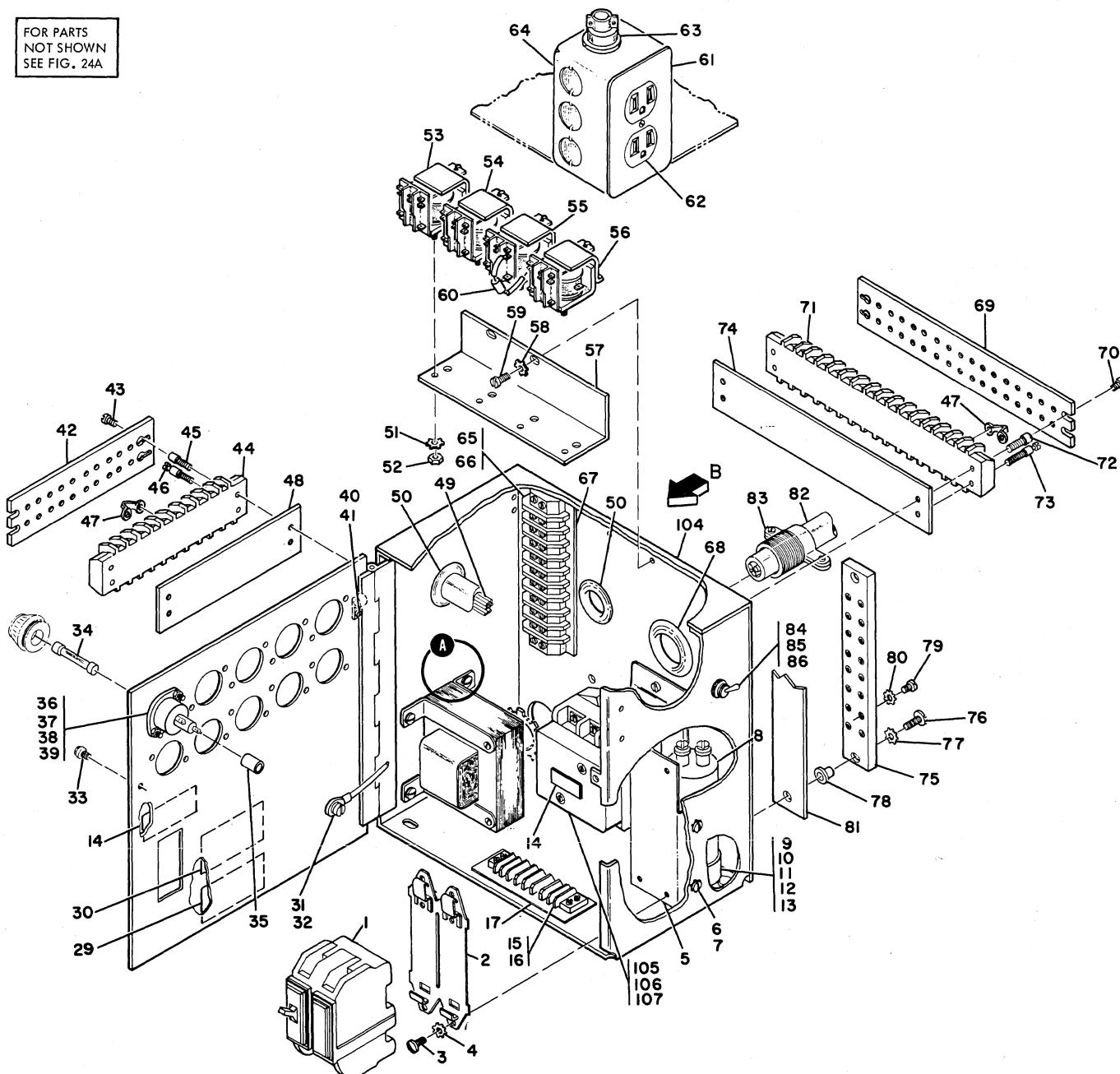


FIGURE 24B. SEQUENCE BOX ASSEMBLY. SEE LIST 24B.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
24B-			SEQUENCE BOX ASSEMBLY CODE A USED ON 60 CYCLE ONLY CODE B USED ON 50 CYCLE ONLY		
-	2190778		BOX ASM,SEQUENCE- 60 CYC	REF	
-	2190856		BOX,SEQUENCE ASM- 50 CYC USED PRIOR TO L7 SUFFIX FOR ILLUSTRATION SEE FIGURE 24B FOR NEXT HIGHER ASM SEE LIST 24A-1	REF	
- 1	2092646		• CIRCUIT BREAKER, 15 AMP 2 POLE USED ON ASM 2190856 ONLY	1	
- 1	2158708		• CIRCUIT BREAKER, 30 AMP USED ON 115V ATTACHMENT FEATURE	1	
- 1	2197484		• CIRCUIT BREAKER, 20 AMP 2 POLE USED ON 208/230V ATTACHMENT FEATURE	1	
- 2	2158722		• CLIP, CB MOUNTING	1	
- 3	55726		• SCREW,MACH-BIND HD 6-32 X .188 LG	4	
- 4	56722		• WASHER-LOCK,EXT T, .150 ID	4	
- 5	2190759		• BRACKET,CB MTG	1	
- 6	236849		• SCREW,MACH-BIND HD 10-32 X 1/4 LG	2	
- 7	56079		• WASHER-LOCK,EXT T .204 ID .410 OD	4	
- 8	2173920		• CAPACITOR,ELECT- 10,000 UF 6V DC,ALUM	1	
- 9	445304		• CLAMP	1	
- 10	55726		• SCREW,MACH-BIND HD 6-32 X .188 LG	2	
- 11	56722		• WASHER-LOCK,EXT T, .150 ID	3	
- 12	322551		• SCREW,BIND HD 6-32 X 0.75 LONG	1	
- 13	257187		• NUT,HEX 6-32 NC	25	
- 14	138754		• LABEL,VOLTAGE WARNING	2	
- 15	322766		• TERMINAL BOARD	1	
- 16	81693		• SCREW,MACH-BIND HD 6-32 X 3/8 LG	4	A
- 17	126036		• STRIP,MARKER-INSULATING	1	A
- 18	2190897		• TRANSFORMER ASM,104/115/208/230V 60 CY	1	A
- 18	4116394		• TRANSFORMER ASM,195/220/235V 50 CY	1	B
- 19	58207		• SCREW, BD HD MACH-8-32 NC-2A X .250 LG	4	
- 20	55901		• WASHER, LOCK, EXT TEETH - .176 DIA	4	
- 21	334921		• TERMINAL-LUG NO.22 THRU NO.18 WIRE INSUL	8	A
- 22	4120318		• SHIELD,6 POSITION SINGLE ROW	1	B
- 23	210984		• SCREW,MACH RH 6-32 X .25	1	B
- 24	4120316		• TERMINAL BLOCK,6 POSITION- SINGLE ROW	1	B
- 25	4120245		• STUD	1	B
- 26	4120246		• STUD	1	B
- 27	4120317		• MARKER STRIP,6 POSITION	1	B
- 28	5313144		• TRANSFORMER,104/115/208/230V 60 CY	1	A
- 28	4118453		• TRANSFORMER,195/220/235V 50 CY	1	B
- 29	369207		• LABEL-VOLTAGE	1	
- 30	2191151		• LABEL,SEQ. FUSE	1	
- 31	58207		• SCREW, BD HD MACH-8-32 NC-2A X .250 LG	1	
- 32	55901		• WASHER, LOCK, EXT TEETH - .176 DIA	1	
- 33	470834		• SCREW,THUMB-NO. 6 PRESSURE ROLL	1	
- 34	252589		• FUSE,0.2 AMP,LONG TIME LAG,NON-INDICATE	AR	
- 34	252590		• FUSE,0.6 AMP LONG TIME LAG,NON-INDICATE	AR	
- 34	252591		• FUSE,1.0 AMP,FUSETRON TYPE FNM 1	AR	
- 34	228391		• FUSE,1.6 AMP	AR	
- 34	92734		• FUSE,2.0 AMP,LONG TIME LAG,NON-INDICATE	AR	
- 34	107664		• FUSE,3.2 AMP,LONG TIME LAG,	AR	
- 34	107665		• FUSE,4.0 AMP,LONG TIME LAG	AR	
- 34	107667		• FUSE,6.25 AMP,LONG TIME LAG,NON-INDICATE	AR	
- 35	257079		• INSULATOR,FUSE TERMINAL .375 DIA X 1.500	10	
- 35	257080		• INSULATOR,FUSE TERMINAL .962 DIA X 1.875	10	
- 36	104615		• FUSEHOLDER	10	
- 37	35739		• SCREW,MACH-BIND HD 6-32 X 15/16 LG	20	
- 38	56722		• WASHER-LOCK,EXT T, .150 ID	20	
- 39	257187		• NUT,HEX 6-32 NC	20	
- 40	2102367		• CLAMP,LOOP- 0-700 ID 0-200 DIA MTG HOLE	1	
- 41	34512		• SCREW,MACH-BIND HD 8-32 X 3/8 LG	1	
- 42	186943		• SHIELD- 10 POSITION	1	
- 43	210984		• SCREW,MACH RH 6-32 X .25	1	
- 44	322767		• TERMINAL BLOCK, 10 POSITION	1	
- 45	210985		• STUD, EXT 8-32 X 1/2 INT 6-32 X 0.19 DP	1	
- 46	210986		• STUD, SLOTTED 8-32 X 1/2 LG THREAD	3	
- 47	367115		• JUMPER-TERMINAL STRIP VDC DISTR BRS	AR	
- 48	363434		• MARKER STRIP- 10 POS NOS. 1 THRU 10	1	
- 49	2190852		• CABLE ASM- 60 CYC SEQ BOX FOR COMPONENT PARTS SEE LIST 44-2A 2B,2C,3B,4,5,7 AND 17	1	A
- 49	2190935		• CABLE ASM-SEQ BOX 50 CYC FOR COMPONENT PARTS SEE LIST 44-2A 2B,2C,3,3B,4,5 AND 17	1	B

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			SEQUENCE BOX ASSEMBLY -CONT		
24B- 50	223803		• GROMMET, 3/4 IN. B.D.X 1 318 O.D. X 1/2	2	
- 51	56722		• WASHER-LOCK, EXT T, .150 ID	4	
- 52	257187		• NUT, HEX 6-32 NC	4	
- 53	441092		• RELAY	1	
- 54	2114051		• RELAY- 3 PDT	1	
- 55	2124703		• RELAY, 48 VDC, 3200 OHM, 3PDT	1	
- 56	2158694		• RELAY, 3PDT 24V AC COIL	1	
- 57	2190796		• BRACKET, SEQ RELAY	1	
- 58	221790		• SCREW, MACH-BIND HD 8-32 X 3/16 LG	2	
- 59	55901		• WASHER, LOCK, EXT TEETH - .176 DIA	2	
- 60	369593		• SEMICONDUCTOR DEVICE, DIO-TYPE IN735	1	
- 61	359018		• COVER, CONVENIENCE OUTLET	1	
- 62	357995		• OUTLET, CONVENIENCE, 60 CYCLE	1	
- 62	4116323		• OUTLET, CONVENIENCE, 50 CYCLE	1	
- 63	2100264		• RELIEF, CABLE STRAIN	1	
- 64	2102151		• BOX-UTILITY	2	
- 65	322767		• TERMINAL BLOCK, 10 POSITION	1	
- 66	25627		• SCREW, MACH-BIND HD 8-32 X 1/2 LG	4	
- 67	253219		• MARKER STRIP- 10 POS NOS. 1 THRU 10	1	
- 68	220764		• GROMMET, RUB-FOR 1-3/8 HOLE X 1/8 PNL	1	
- 69	191478		• SHIELD 16 POS	1	
- 70	210984		• SCREW, MACH RH 6-32 X .25	ATT PT	1
- 71	301731		• TERMINAL BOARD- 16 DBL SCREW TERMINALS	1	
- 72	210985		• STUD, EXT 8-32 X 1/2 INT 6-32 X 0.19 DP.	ATT PT	1
- 73	210986		• STUD, SLOTTED 8-32 X 1/2 LG THREAD	ATT PT	3
- 74	322269		• MARKER STRIP- 16 POS. NOS. 1 THRU 16	1	
- 75	2114596		• BAR, GROUND, 8 POS, DOUBLE ROW	1	
- 76	55918		• SCREW, MACH-BIND HD 10-32 X 5/8 LG	ATT PT	2
- 77	56079		• WASHER-LOCK, EXT T .204 ID .410 OD	ATT PT	2
- 78	333586		• BUSHING, PHENOLIC, .219 I.D.-SHOULDER	2	
- 79	58207		• SCREW, BD HD MACH-8-32 NC-2A X .250 LG	16	
- 80	55901		• WASHER, LOCK, EXT TEETH - .176 DIA	16	
- 81	2114597		• MARKER STRIP, 8POS, DOUBLE ROW	1	
- 82	2190947		• CABLE ASM- 50 CYC FILTER TO SEQ BOX USED ON ASM 2190856 ONLY FOR COMPONENT PARTS SEE LIST 44-3B	1	
- 82	2197317		• CABLE ASM-FILTER BOX TO SEQ BOX USED ON 115V 60 CYCLE ATTACHMENT FEATURE FOR COMPONENT PARTS SEE LIST 44-4	1	
- 82	2190827		• CABLE ASM-FILTER BOX TO SEQ BOX USED ON 208/230V 60 CY ATTACH FEATURE FOR COMPONENT PARTS SEE LIST 44-2E	1	
- 83	736918		• RELIEF, STRAIN USED ON ASM 2190856 ONLY	1	
- 83	2197317		• CABLE ASM-FILTER BOX TO SEQ BOX USED ON 115V 60 CYCLE ATTACHMENT FEATURE	1	
- 83	2190827		• CABLE ASM-FILTER BOX TO SEQ BOX USED ON 208/230V 60 CY ATTACH FEATURE	1	
- 84	725347		• SWITCH, TOGGLE-SPDT	1	
- 85	159373		• WASHER, LOCK-EXT TEETH 15/32 ID X 3/4 OD	ATT PT	1
- 86	179743		• NUT, PLAIN, HEX- 15/32-32 X 9/16 FL W	ATT PT	1
- 87	5323493		• RESISTOR ASSEMBLY- 100 OHMS 0.5W 2 PINS	1	
- 88	320167		• • TERMINAL, QUICK DISCONNECT-NONINS 16AWG	2	
- 89	213536		• • RESISTOR, FIXED COMP, 100 OHM 5% 1/2 WATT	1	
- 90	359511		• CAPACITOR ASM, 0.1 MFD P/M 20%	1	
- 91	320167		• • TERMINAL, QUICK DISCCNNECT-NONINS 16AWG	2	
- 92	2102160		• • CAPACITOR, PAPER, 0.1 MFD P/M 20% 400V	1	
- 93	2190880		• RESISTOR ASM-W/PLUGS 16 OHMS 2W	1	
- 94	187243		• • TERMINAL, SMALL TAPER 20-22-24 OR 26 AWG	2	
- 95	216794		• • RESISTOR, FXD, COMP- 16 OHMS P/M 5% 2W	1	
- 96	2190881		• RESISTOR ASM- W/PLUGS 30 OHMS 0.5W	1	
- 97	187243		• • TERMINAL, SMALL TAPER 20-22-24 OR 26 AWG	2	
- 98	322742		• • RESISTOR, FXD, COMP- 30 OHMS P/M 5% 1/2W	1	
- 99	302090		• TERMINAL BLOCK ASM-24 FEMALE CONTACTS	1	
-100	236550		• SCREW, MACH-BIND HD 4-40 X 0.375 LG	ATT PT	1
-101	302089		• • SPRING-TERMINAL BOARD CONTACT	8	
-102	302088		• • BLOCK, TERMINAL	1	
-103	302131		• STRIP-TERMINAL BLOCK INSULATOR	1	
-104	2190776		• BOX, SEQUENCE THE FOLLOWING PARTS ARE FEATURES ONLY	1	
-105	2130334		MAGNETIC CONTACTOR, 3-POLE 40A 24V COIL USED ON 1231 ATTACHMENT FEATURE ONLY	1	
-105	2128749		MAGNETIC CONTACTOR, 2 POLE 40 AMPS 24V USED ON NO 1231 ATTACHMENT FEATURE ONLY	1	
-106	58207		SCREW, BD HD MACH-8-32 NC-2A X .250 LG	ATT PT	2
-107	55901		WASHER, LOCK, EXT TEETH - .176 DIA	ATT PT	2

FOR PARTS
NOT SHOWN
SEE FIG. 24A

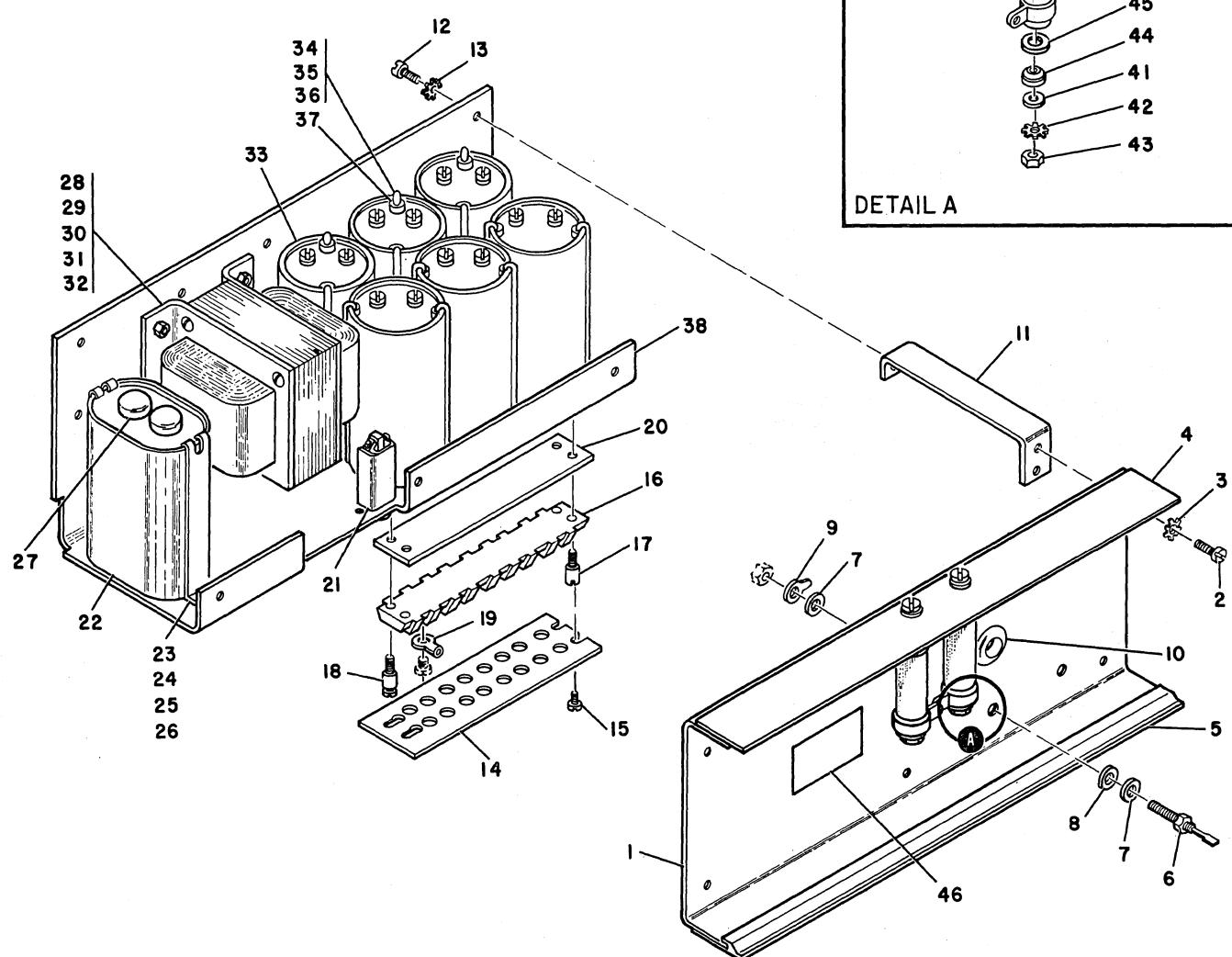


FIGURE 24C. POWER SUPPLY ASSEMBLY. SEE LIST 24C.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			POWER SUPPLY ASSEMBLY		
24C-	2158753		POWER SUPPLY ASM- 48V 2.7A 60 CPS	REF	
-	5247055		POWER SUPPLY ASM,48 VOLT 2 7A 50 CYCLE	REF	
			FOR ILLUSTRATION SEE FIGURE 24C		
			FOR NEXT HIGHER ASM SEE LIST 24A-5		
- 1	2158756		• HEAT SINK, 48V 2.7 AMP POWER SUPPLY	ATT PT	7
- 2	186759		• SCREW,MACH-BIND HD 8-32 X 5/16 LG	ATT PT	7
- 3	55901		• WASHER, LOCK, EXT TEETH - .176 DIA	ATT PT	2
- 4	5762137		• SEAL,AIR		1
- 5	5762137		• SEAL,AIR		1
			USED ON ASM 2158753		
- 5	209005		• SEAL,AIR,SPECIFY LENGTH DESIRED		1
			USED ON ASM 5247055		
- 6	598479		• SEMICONDUCTOR DEVICE,D10- 150V 10 AMP		4
- 7	217019		• WASHER,INSULATING .199 ID 1.00 OD		8
- 8	192733		• WASHER,FL- 0.203 ID X 0.312 OD X 1/16THK		4
- 9	316996		• TERMINAL,LUG-NONINS 9AWG NO. 8 MTG HOLE		4
- 10	186324		• GROMMET,RUBBER-9/16 ID		1
- 11	2159746		• BRACKET, POWER SUPPLY		2
- 12	186759		• SCREW,MACH-BIND HD 8-32 X 5/16 LG	ATT PT	2
- 13	55901		• WASHER, LOCK, EXT TEETH - .176 DIA	ATT PT	2
- 14	186943		• SHIELD- 10 POSITION		1
- 15	210984		• SCREW,MACH RH 6-32 X .25	ATT PT	1
- 16	322767		• TERMINAL BLOCK, 10 POSITION		1
- 17	210985		• STUD, EXT 8-32 X 1/2 INT 6-32 X 0.19 DP		1
- 17	210883		• STUD, EXT 6-32 X 1/2 INT 6-32 X 0.19 DP		1
			USED ON 50 CYCLE POWER SUPPLY		
- 18	210986		• STUD, SLOTTED 8-32 X 1/2 LG THREAD		3
- 18	210884		• STUD, SLOTTED 6-32 X 1/2 LONG THREAD		3
			USED ON 50 CYCLE POWER SUPPLY		
- 19	334921		• TERMINAL-LUG NO.22 THRU NO.18 WIRE INSUL		
- 19	517913		• CLIP, SLIP ON NO 18-16 AWG		
- 20	363434		• MARKER STRIP- 10 POS NOS. 1 THRU 10		1
- 21	220916		• CIRCUIT BREAKER- 1 POLE 30V DC 5 AMP		1
- 22	2129258		• CAPACITOR		1
- 23	517333		• BRACKET-CAPACITOR MOUNTING		2
- 24	25627		• SCREW,MACH-BIND HD 8-32 X 1/2 LG	ATT PT	2
- 25	55901		• WASHER, LOCK, EXT TEETH - .176 DIA	ATT PT	2
- 26	257189		• NUT, HEX 8-32	ATT PT	2
- 27	526378		• CAP		2
- 28	2129256		• REGULATOR, FERRO 60CYCLE 2.7A 49VDC		1
- 28	5247056		• REGULATOR,FERRO- 130VA OUTPUT 50 CPS		1
- 29	332620		• SCREW,MACH-BIND HD 10-32 X 1/2 LG	ATT PT	4
- 30	45690		• WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	ATT PT	4
- 31	56079		• WASHER-LOCK,EXT T .204 ID .410 OD	ATT PT	5
- 32	11598		• NUT, HEX 10-32	ATT PT	4
- 33	2158757		• CAPACITOR, ELEC AL, 6000MFD P150 M10 55V		6
- 34	473422		• CLAMP,CAPACITOR		12
- 35	56722		• WASHER-LOCK,EXT T, .150 ID	ATT PT	12
- 36	257187		• NUT,HEX 6-32 NC	ATT PT	12
- 37	473412		• INSULATOR,CAPACITOR CLAMP		12
- 38	2158755		• BRACKET, HOUSING, POWER SUPPLY		1
- 39	221110		• RESISTOR,FXD,WW- 200 OHMS P/M 5% 25W		2
- 40	438583		• SCREW,MACH-FIL H 8-32 X 2-1/2 LG	ATT PT	2
- 41	22478		• WASHER,FL 0.170 ID 0.375 OD 0.032 THK	ATT PT	4
- 42	55901		• WASHER, LOCK, EXT TEETH - .176 DIA	ATT PT	2
- 43	257189		• NUT, HEX 8-32	ATT PT	2
- 44	507144		• WASHER-CENTERING 0.173 ID X 5/8 OD		4
- 45	442958		INSULATOR,WASH- 7/16 ID 3/4 OD 1/32 THK		4
			PARTS NOT INCLUDED WITH ASM		
- 46	1141554		LABEL,WARNING HIGH TEMPERTURE		1

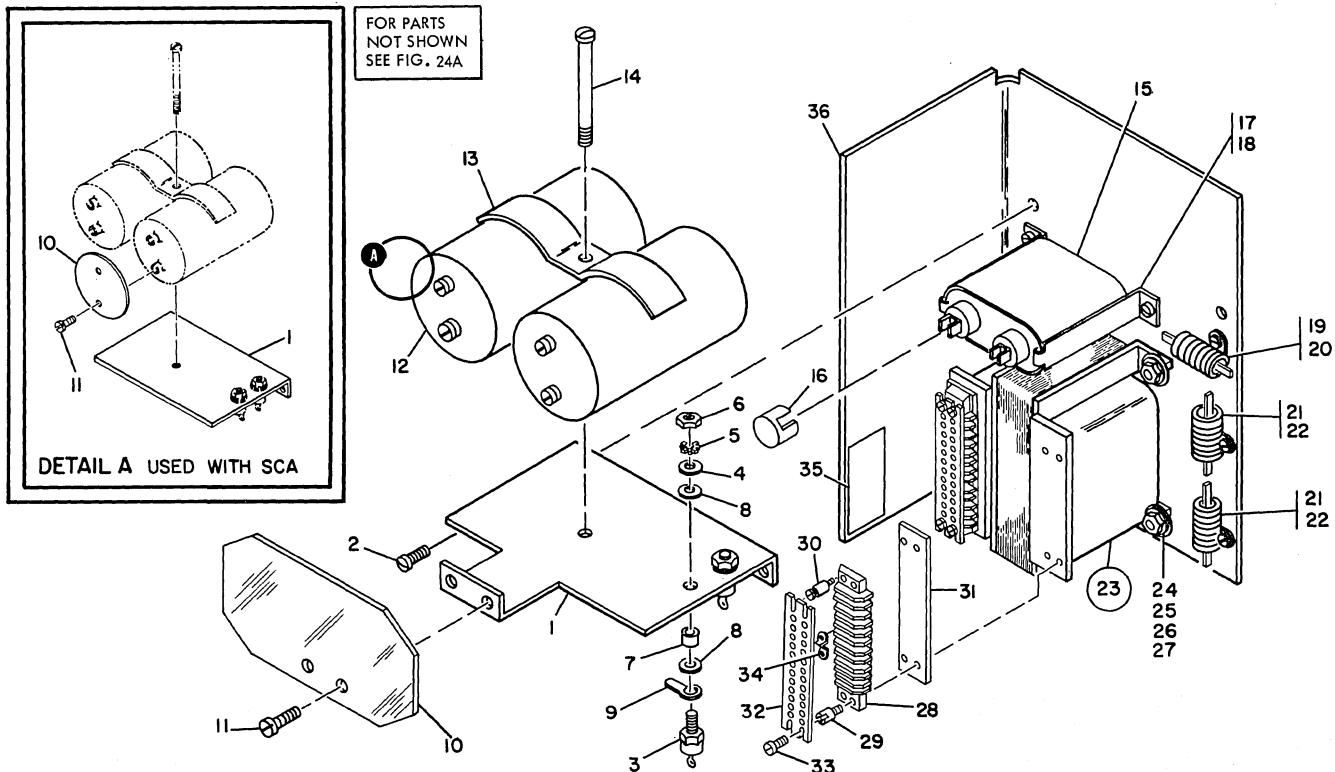


FIGURE 24D. 12VOLT 4AMP POWER SUPPLY ASSEMBLY SEE LIST 24D.

LIST AND INDEX NO.	PART NO.	DESCRIPTION				UNITS PER ASM.	USABLE ON CODE			
		1	2	3	4					
12 VDC 4AMP POWER ASSEMBLY										
CODE A USED ON MODELS WITHOUT SCA CODE B USED ON MODELS WITH SCA										
-	5261818	POWER SUPPLY ASM,12V AT 4AMPS-60 CYCLE					REF A			
-	5261992	POWER SUPPLY ASM,12V AT 4AMPS-50 CYCLE					REF A			
-	5760620	POWER SUPPLY ASM,12V AT 4AMPS-60 CYCLE					REF B			
-	5760625	POWER SUPPLY ASM,12V AT 4AMPS-50 CYCLE					REF B			
FOR ILLUSTRATION SEE FIGURE 24D FOR NEXT HIGHER ASM SEE LIST 24A-16										
- 1	5261820	• BRACKET, SEMICONDUCTOR MTG.					1 A			
- 1	5261796	• BRACKET, SEMICONDUCTOR MTG.					1 B			
- 2	58207	• SCREW, BD HD MACH-8-32 NC-2A X .250 LG				ATT PT	2			
- 3	598479	• SEMICONDUCTOR DEVICE, D10- 150V 10 AMP					2 A			
- 3	598480	• SEMICONDUCTOR DEVICE, D10- 150V 10 AMP					2 B			
- 4	45690	• WASHER, FL - NO.10 X 7/16 OD X 1/32 THK				ATT PT	2			
- 5	56079	• WASHER-LOCK, EXT T .204 ID .410 OD				ATT PT	2			
- 6	11598	• NUT, HEX 10-32				ATT PT	2			
- 7	473582	• INSULATOR					2			
- 8	217019	• WASHER, INSULATING .199 ID 1.00 OD					4			
- 9	316996	• TERMINAL, LUG-NONINS 9AWG NO. 8 MTG HOLE					2			
- 10	5247125	• COVER					1 A			
- 10	5240477	• SHIELD, CAPACITOR					2 B			
- 11	28413	• SCREW, MACH-BIND HD 10-32 X 5/16 LG				ATT PT	2			
- 11	32042	• SCREW, MACH BIND. HD 10-32 X 3/8 LG.				ATT PT	4 A			
- 12	5261826	• CAPACITOR,					2 B			
- 13	5261821	• CLAMP					1			
- 14	438604	• SCREW, MACH-BIND HD 10-32 X 2-1/2 LG				ATT PT	1			
- 15	5213359	• CAPACITOR, USED ON 60 CYCLE ONLY					1			
- 15	5247156	• CAPACITOR, FIXED PAPER-8MFD 6% 330V AC USED ON 50 CYCLE ONLY					1			
- 16	526378	• CAP					2			
- 17	621446	• CLAMP USED ON ASM 5261818 ONLY					2			
- 17	524928	• BRACKET, CAPACITOR MTG					2			

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS	USABLE
				PER ASM.	ON CODE
12 VDC 4AMP POWER ASSEMBLY -CONT					
24D- 18	321483		• SCREW,MACH-BIND HD 8-32 X 1 LG	ATT PT	2
- 19	5240459		• RESISTOR,FIXED 250HMS 25WATT		1
- 20	438548		• SCREW,MACH-BIND HD 4-40 X .188 LG	ATT PT	2
- 21	5261815		• RESISTOR,100HMS,25W		2
- 22	438548		• SCREW,MACH-BIND HD 4-40 X .188 LG	ATT PT	2
- 23	5261822		• TRANSFORMER,FERRO RESCNANT-60 CYCLE		1
- 23	5261989		• TRANSFORMER,FERRO RESCNANT-50 CYCLE		1
- 24	25891		• SCREW,MACH-FL CSK HD 10-32 X 1/2 LG	ATT PT	4
- 25	45690		• WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	ATT PT	4
- 26	56079		• WASHER-LOCK,EXT T .204 ID .410 OD	ATT PT	4
- 27	11598		• NUT, HEX 10-32	ATT PT	4
- 28	2100194		• . STRIP,TERMINAL-9 POSITION USED ON 60 CYCLE		2
- 28	522850		• . TERMINAL BOARD- 10 DBL SCREW TERMINALS USED ON 50 CYCLE		2
- 29	210883		• . STUD, EXT 6-32 X 1/2 INT 6-32 X 0-19 DP	ATT PT	1
- 30	210884		• . STUD, SLOTTED 6-32 X 1/2 LONG THREAD	ATT PT	3
- 31	472662		• . MARKER STRIP USED CN 60 CYCLE		2
- 31	522849		• . MARKER STRIP,10 POS USED ON 50 CYCLE		2
- 32	187736		• SHIELD,9 POSITION USED CN 60 CYCLE		2
- 32	187491		• SHIELD,10 POSITION 15AMP USED CN 50 CYCLE		2
- 33	210984		• SCREW,MACH RH 6-32 X .25	ATT PT	1
- 34	1143227		• JUMPER,BRASS		
- 35	801652		• LABEL USED ON 60 CYCLE ONLY		1
- 35	5240513		• LABEL USED ON 50 CYCLE ONLY		1
- 36	5261819		• CHASSIS		1

FOR PARTS
NOT SHOWN
SEE FIG. 24A

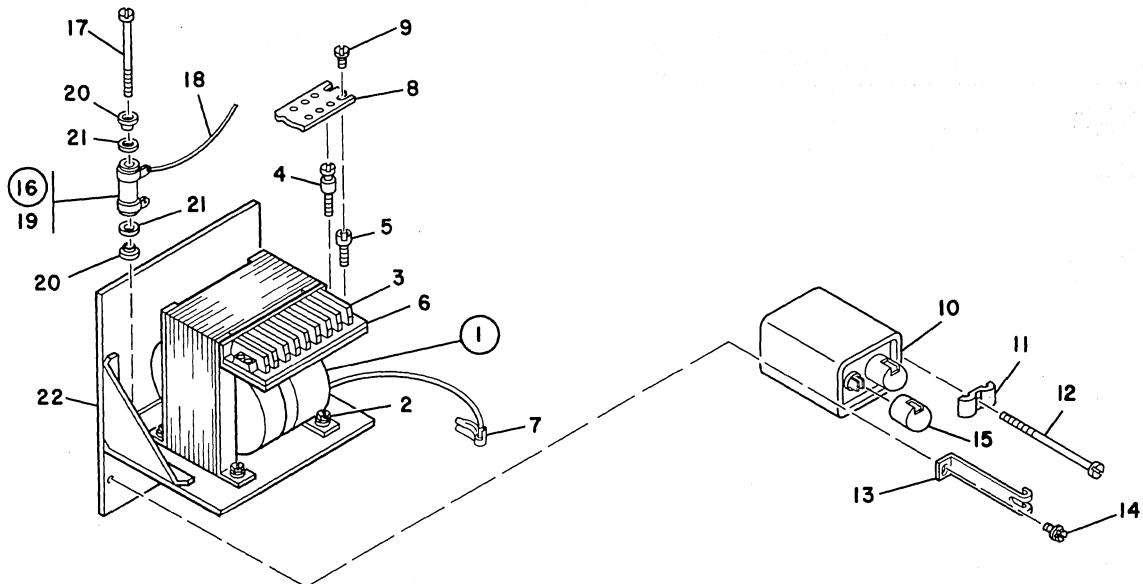


FIGURE 24E. SCR TRANSFORMER ASSEMBLY. SEE LIST 24E.

LIST AND INDEX NO.	PART NO.	DESCRIPTION				UNITS PER ASM.	USABLE ON CODE
		1	2	3	4		
24E-					SCR TRANSFORMER ASSEMBLY		
					CODE 1 USED ON ASM PRIOR TO S5 SUFFIX		
					CODE 2 USED ON ASM S5 TO CURRENT		
					CODE 3 USED ON ASM PRIOR TO C6 SUFFIX		
					CODE 4 USED ON ASM C6 TO CURRENT		
-	2191056	TRANSFORMER ASM,115V,60 CYCLE					REF
-	2243029	TRANSFORMER ASM,208/230V,60 CYCLE					REF
-	2191057	TRANSFORMER ASM,50 CYCLE					REF
		FOR ILLUSTRATION SEE FIGURE 24E					
		FOR NEXT HIGHER ASM SEE LIST 24A-17					
- 1	5708993	• TRANSFORMER-115V 60 CYCLE					1
- 1	5708922	• TRANSFORMER-208V/230V 60 CYCLE					1
- 1	5708991	• TRANSFORMER-FERREORESONANT REG. 50 CYCLE					1
- 2	725413	• SCREW,ASMD WASHER-HEX HD 10-32 X0.312 LG			ATT PT		4
- 2	725411	• SCREW-HEX HEAD SEMS			ATT PT		4
		USED ON ASM 5708991 ONLY					
- 3	80880	• TERMINAL BOARD- 6 DBL SCREW TERMINALS					1
- 3	603248	• TERMINAL BOARD- 14 DBL SCREW TERMINALS					1
- 3	91469	• TERMINAL BOARD- 4 DBL SCREW TERMINALS					1
- 3	317145	• TERMINAL BOARD- 8 DBL SCREW TERMINALS					1
- 4	210986	• STUD, SLOTTED 8-32 X 1/2 LG THREAD			ATT PT		3
- 5	210985	• STUD, EXT 8-32 X 1/2 INT 6-32 X 0.19 DP			ATT PT		1
- 6	529084	• MARKER STRIP-6 POSITION					1
- 6	351797	• MARKER STRIP-14 POSITION					1
- 6	322271	• MARKER STRIP-4 POSITION					1
- 6	360339	• MARKER STRIP-8 POSITION					1
- 7	517913	• CLIP, SLIP CN NO 18-16 AWG					2
- 8	2197160	• SHIELD, TERMINAL BLOCK-6 POSITION					1
- 8	186945	• SHIELD, TERMINAL BLOCK- 8 POSITION					1
- 8	187858	• SHIELD, TERMINAL BLOCK- 4 POSITION					2
- 8	191484	• SHIELD-TERMINAL BOARD 6 POS					1
- 9	210984	• SCREW, MACH RH 6-32 X .25			ATT PT		3
- 10	477202	• CAPACITOR, 15MF D P/M 6 PCT 330V AC					2
- 11	204818	• STRAP, RETAINING					1
- 12	2122638	• SCREW, MACH-RH 8-32 X 3.75 IN. LG			ATT PT		4
- 12	2122636	• SOCKET, GUIDE CORNER			ATT PT		3
- 13	331191	• BRACKET, CAPACITOR MOUNTING					2
- 14	25627	• SCREW, MACH-BIND HD 8-32 X 1/2 LG			ATT PT		4
- 14	234318	• SCREW, ASMD WASHER-FIL H 8-32 X 3/8 LG			ATT PT		3
- 15	526378	• CAP					4
- 16	2191093	• RESISTOR ASM-POWER 0.16 OHM, 25W					1
- 16	2243002	• RESISTOR ASM-POWER 3.0 OHM, 25W					1
- 17	438582	• SCREW, MACH-FIL H 8-32 X 2-1/4 LG			ATT PT		4
- 17	438593	• SCREW-MACH-BIND HD NO. 8-32 X 2 1/2 LG			ATT PT		3
- 18	2191092	• LEAD, ELECTRICAL-BLACK 14.00 IN. LG					2
		FOR COMPONENT PARTS SEE LIST 44-2B, 3B					
- 19	5261119	• RESISTOR, 0.16 OHM 25 WATTS WIREWOUND					2
- 19	5213405	• RESISTOR-.3 OHMS, 25W PM 10%					1
- 19	620232	• RESISTOR, FDX, WW- 3 OHMS P/M 10% 25W					1
- 20	510468	• CUP WASHER					2
- 21	508224	• WASHER-INSULATOR					2
- 22	2191054	• PLATE, MTG-SCR TRANSFORMER					1

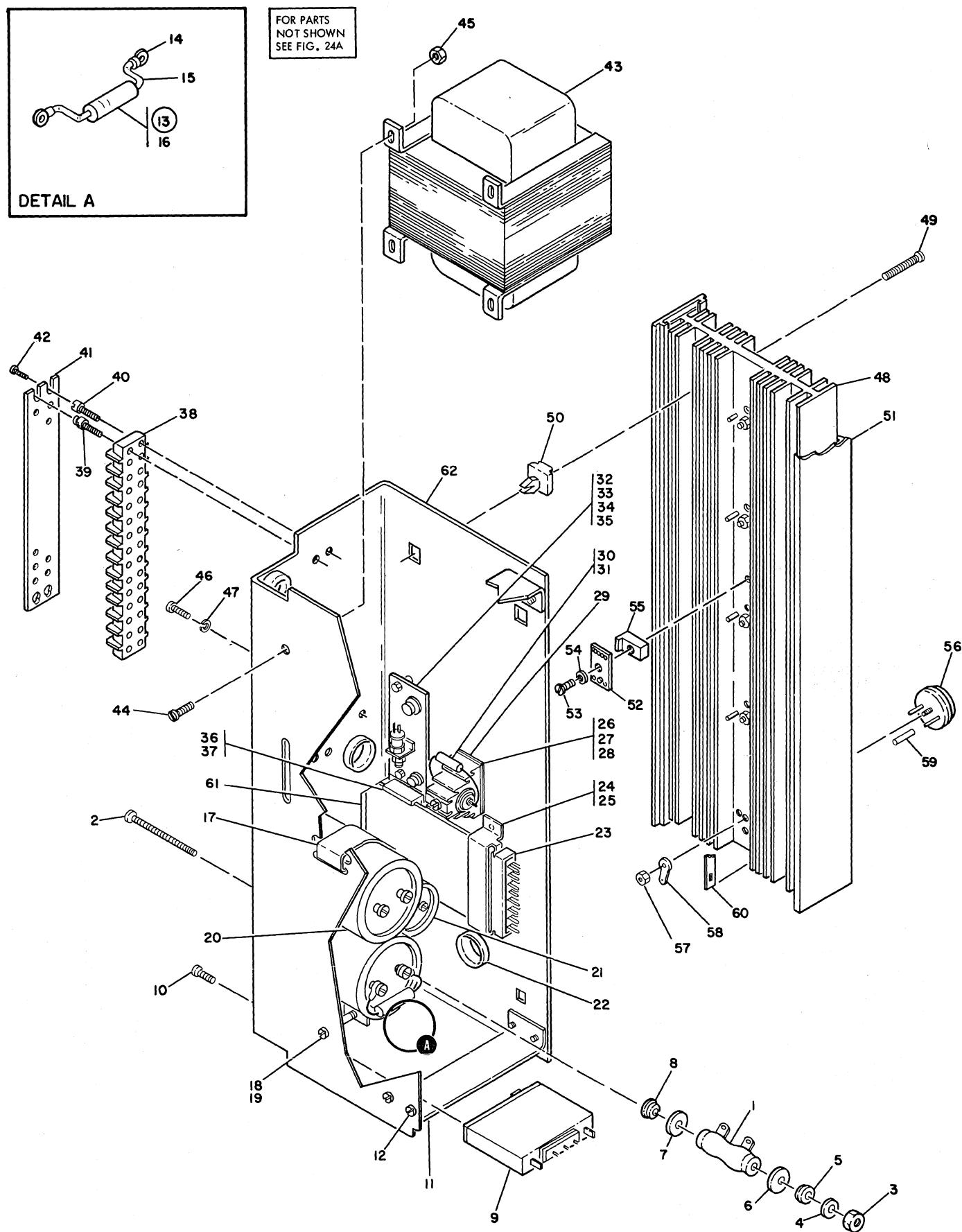
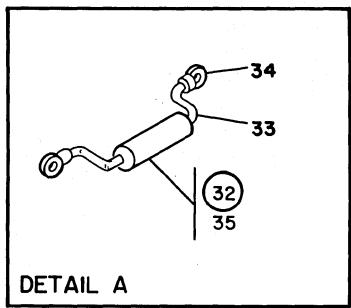


FIGURE 24F. 3 VOLT 16 AMP POWER SUPPLY ASSEMBLY. SEE LIST 24F.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			3VDC 16AMP POWER SUPPLY ASSEMBLY		
24F-	5239403		POWER SUPPLY ASM,3V AT 16AMPS-60 CYCLE		REF
-	5239421		POWER SUPPLY ASM,3V AT 16AMPS-50 CYCLE		REF
			FOR ILLUSTRATION SEE FIGURE 24F		
			FOR NEXT HIGHER ASM SEE LIST 24A-26		
- 1	5261098		• RESISTOR,FXD,WW- 0.04 OHMS P/M 10% 25W		1
- 2	438593		• SCREW-MACH-BIND HD NO. 8-32 X 2 1/2 LG	ATT PT	1
- 3	5761938		• NUT/LOCKWASHER ASSEMBLY - 8-32	ATT PT	1
- 4	2903		• WASHER,FL-NO. 6 X 1/2 OD X 1/32 THK	ATT PT	1
- 5	510468		• CUP WASHER		1
- 6	5761935		• WASHER		1
- 7	5761935		• WASHER		1
- 8	510468		• CUP WASHER		1
- 9	5214552		• PROTECTOR		1
- 10	38235		• SCREW,BIND HD 6-32 X .312 LONG	ATT PT	2
- 11	5761779		• BRACKET,CHASSIS		2
- 12	731629		• SCREW,PAN HD- 10-32 X 0.380 LG	ATT PT	8
- 13	5261935		• RESISTOR ASSEMBLY-330 OHMS 2W		1
- 14	359695		• • TERMINAL-RING LUG NO.10 STUD		2
- 15	113819		• • TUBING		2
- 16	317080		• • RESISTOR,FXD 330 OHM 2W		1
- 17	5761794		• STRAP,CAPACITOR		1
- 18	438571		• SCREW, BINDING HEAD, 6-32 NC X 1-3/4 LG.	ATT PT	1
- 19	5761943		• NUT,HEX 10-32 NC	ATT PT	1
- 20	5214368		• CAPACITOR		2
- 21	5261089		• CAPACITOR,ELECTROLYTIC- 10000 UF 6VDC		1
- 22	5761936		• GROMMET		3
- 23	216076		• TERMINAL BLOCK AND CONTACT ASSEMBLY		1
			FOR COMPONENTS SEE LIST 44-64		
- 24	5761904		• BRACKET		1
- 25	5761907		• RIVET	ATT PT	2
- 26	5761977		• RECTIFIER ASSEMBLY		1
			PARTS OF THIS ASM ARE NOT REPLACEABLE		
- 27	734483		• SCREW,PAN HD- 6-32 X 0.380 LG	ATT PT	3
- 28	5762215		• WASHER,INSULATING		2
- 29	5761979		• INSULATOR		1
- 30	491228		• CAPACITOR, .010 UF		1
- 31	113819		• TUBING		2
- 32	5761987		• OVERVOLTAGE CARD ASSEMBLY,3 VOLT		1
			PARTS OF THIS ASM ARE NOT REPLACEABLE		
- 33	438551		• SCREW,MACH-BIND HD 4-40 X 5/8 LG	ATT PT	2
- 34	332779		• SPACER		2
- 35	37913		• NUT, HEX 4-40 NC	ATT PT	2
- 36	5712309		• GUIDE		1
- 37	5761907		• RIVET	ATT PT	2
- 38	5214556		• TERMINAL		1
- 39	5261165		• STUD,SHLDR- 8-32 X 0.438 LG THD	ATT PT	3
- 40	5261167		• STUD- 8-32 X 0.438 LG W/6-32 TAPPED HOLE	ATT PT	1
- 41	210990		• SHIELD- 13 POSITION		1
- 42	210984		• SCREW,MACH RH 6-32 X .25	ATT PT	1
- 43	5761726		• TRANSFORMER,60 CYCLE		1
- 43	4116483		• TRANSFORMER,50 CYCLE		1
- 44	332620		• SCREW,MACH-BIND HD 10-32 X 1/2 LG	ATT PT	4
- 45	5761908		• NUT,HEX 10-32 NC	ATT PT	4
- 46	10170		• SCREW-MACH,BIND HD NO. 6-32 X .250 LG		1
- 47	56722		• WASHER-LOCK,EXT T, .150 ID		1
- 48	5761768		• HEAT SINK		1
- 49	5761913		• SCREW,	ATT PT	4
- 50	5761796		• INSULATOR,HEAT SINK		4
- 51	473536		• SEAL		AR
- 52	5761909		• TERMINAL, BRASS		1
- 53	2181002		• SCREW,THREAD FORMING-8-32 X 3/4 LG	ATT PT	1
- 54	5374689		• BUSHING	ATT PT	1
- 55	5761798		• INSULATOR, PHENOLIC - .38W X .75 LG		1
- 56	369214		• TRANSISTOR,TYPE 108		5
- 57	11598		• NUT, HEX 10-32		5
- 58	316996		• TERMINAL,LUG-NONINS 9AWG NO. 8 MTG HOLE		1
- 59	5761976		• TUBING		10
- 60	5761968		• BUS STRIP		1
- 61	375200		• CARD ASSEMBLY		1
			PARTS OF THIS ASM ARE NOT REPLACEABLE		
- 62	5761767		• CHASSIS		1



FOR PARTS
NOT SHOWN
SEE FIG. 24A

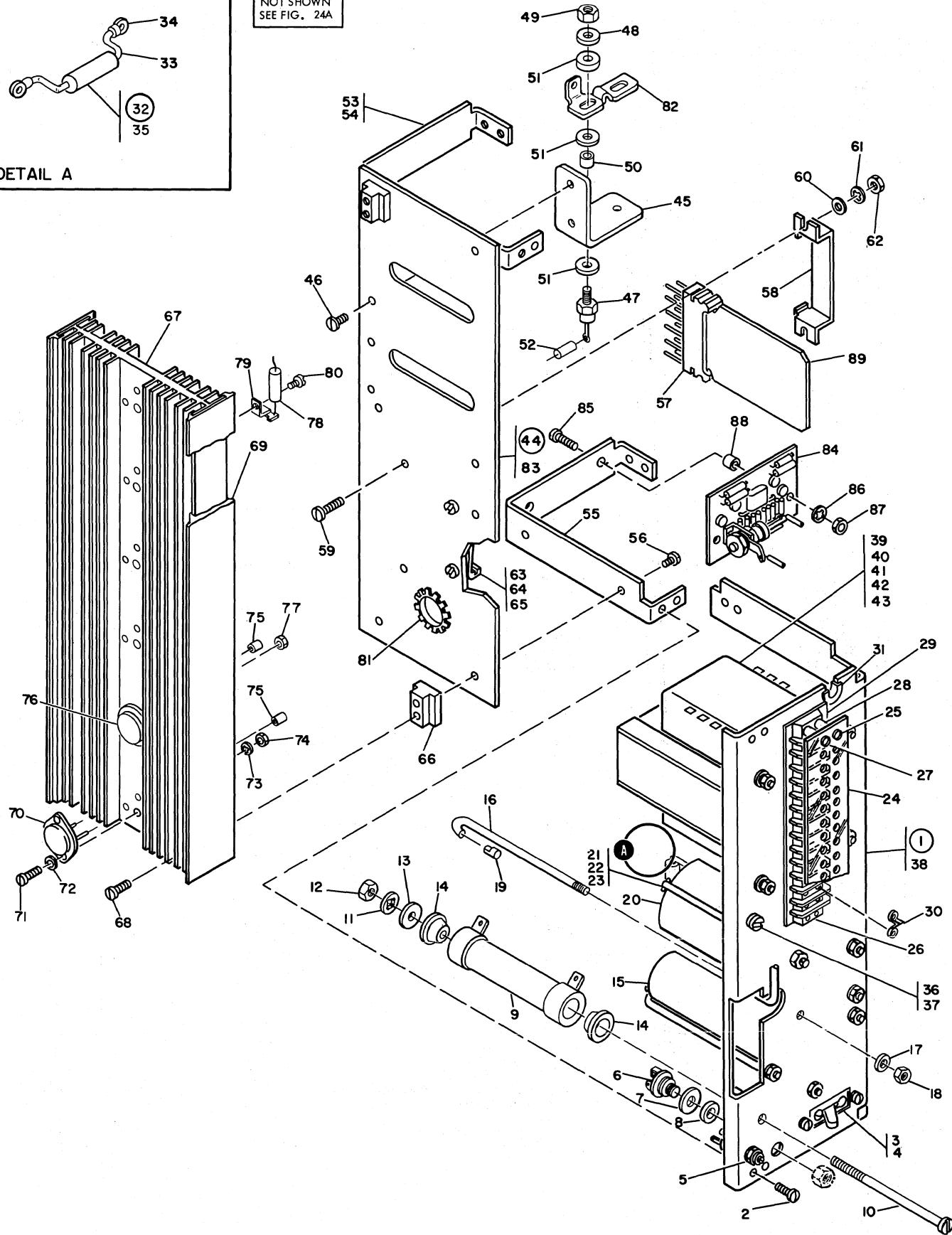


FIGURE 24G. POWER SUPPLY ASM, 6V AT 15 AMP. SEE LIST 24G.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			POWER SUPPLY ASM,6V AT 15 AMPS		
24G-	5760610		POWER SUPPLY ASM,6V AT 15AMPS-60 CYCLE	REF	
-	5760690		POWER SUPPLY ASM,6V AT 15AMPS-50 CYCLE	REF	
			FOR ILLUSTRATION SEE FIGURE 24G		
			FOR NEXT HIGHER ASM SEE LIST 24A-27		
- 1	5760614		• PLATE ASM,COMPONENT MOUNTING	1	
- 2	28413		• SCREW,MACH-BIND HD 10-32 X 5/16 LG	ATT PT	8
- 3	5261157		• • PROTECTOR		1
- 4	10170		• • SCREW-MACH,BIND HD NO. 6-32 X .250 LG	ATT PT	2
- 5	441181		• • POTENTIOMETER		1
- 6	1134451		• • JACK,AUX PWR- .44 OD		1
- 7	529691		• • WASHER, MICA		4
- 8	473592		• • INSULATOR		1
- 9	730483		• • RESISTOR,FXD-WW-0.06 OHM P/M 10PCT 90W		1
- 10	331982		• • SCREW,MACH RD HD 8-32 X 1-1/4 LG	ATT PT	1
- 11	60646		• • WASHER,LOCK-INT TEETH NO. 8 X 0.340 OD	ATT PT	1
- 12	257189		• • NUT, HEX 8-32	ATT PT	1
- 13	22478		• • WASHER,FL- 0.170 ID 0.375 OD 0.032 THK		1
- 14	510468		• • CUP WASHER		2
- 15	5261128		• • CAPACITOR,ELECTROLYTIC- 7300 UF 10VDC		1
- 16	473432		• • CLAMP		2
- 17	62031		• • WASHER,LOCK-INT TEETH NO. 6 X 0.295 OD	ATT PT	2
- 18	38051		• • NUT,PLAIN HEX 6-32 X 1/4 FL W	ATT PT	2
- 19	473412		• • INSULATOR,CAPACITOR CLAMP		6
- 20	5760613		• • CAPACITOR,		2
- 21	5760665		• • TERMINAL,STRAP		4
- 22	62031		• • WASHER,LOCK-INT TEETH NO. 6 X 0.295 OD	ATT PT	4
- 23	38051		• • NUT,PLAIN HEX 6-32 X 1/4 FL W	ATT PT	4
- 24	210990		• • SHIELD- 13 POSITION		1
- 25	210984		• • SCREW,MACH RH 6-32 X .25	ATT PT	1
- 26	320461		• • TERMINAL BOARD-13 POS		1
- 27	5261165		• • STUD,SHLDR- 8-32 X 0.438 LG THD		3
- 28	5261167		• • STUD- 8-32 X 0.438 LG W/6-32 TAPPED HOLE		1
- 29	2101325		• • MARKER STRIP,13 POSITION		1
- 30	472187		• • JUMPER-BRASS		2
- 31	730432		• • GROMMET,CATERPILLAR		1
- 32	5261936		• • RESISTOR ASSEMBLY,200 OHMS 5W		1
- 33	113819		• • TUBING		2
- 34	334932		• • TERMINAL-LUG NO.18 THRU NO.22 WIRE INSUL		2
- 35	477144		• • RESISTOR, WIREWOUND - 200 OHM 5W		1
- 36	55726		• • SCREW,MACH-BIND HD 6-32 X .188 LG		1
- 37	56722		• • WASHER-LOCK,EXT T, .150 ID		1
- 38	5760615		• • PLATE,MOUNTING		1
- 39	4118354		• • TRANSFORMER- 6V 15AMPS-50 CYCLE		1
- 39	5253873		• • TRANSFORMER,PWR,STEP DOWN- 168VA 60 CPS		1
- 40	332620		• • SCREW,MACH-BIND HD 10-32 X 1/2 LG		4
- 41	45690		• • WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	ATT PT	4
- 42	9092		• • WASHER-LOCK,SPLIT RING, .194 ID .337OD	ATT PT	4
- 43	11598		• • NUT, HEX 10-32	ATT PT	4
- 44	5760624		• • HEATSINK ASM		1
- 45	5261009		• • BRACKET-DIODE MOUNTING		1
- 46	10170		• • SCREW-MACH,BIND HD NO. 6-32 X .250 LG	ATT PT	2
- 47	127324		• • SEMICONDUCTOR DEVICE,D10- 150V 30 AMP		2
- 48	3550		• • WASHER,FLAT 1/4 ID-9/16-OD-0.05 THICK	ATT PT	2
- 49	160017		• • NUT,PLAIN,HEX- 1/4-28 X 7/16 FL W	ATT PT	2
- 50	473592		• • INSULATOR		2
- 51	217017		• • WASHER-INSULATING		8
- 52	491228		• • CAPACITOR, .010 UF		1
- 53	730176		• • BRACKET-UNIT SUPPORT		1
- 54	1132669		• • SCREW,BINDING HEAD .625 LG	ATT PT	2
- 55	5261159		• • BRACKET-UNIT SUPPORT		1
- 56	1132669		• • SCREW,BINDING HEAD .625 LG	ATT PT	2
- 57	216076		• • TERMINAL BLOCK AND CONTACT ASSEMBLY FOR CCMPOINT PARTS SEE LIST 44-64		1
- 58	477203		• • BRACKET		1
- 59	38235		• • SCREW,BIND HD 6-32 X .312 LONG	ATT PT	4
- 60	257986		• • WASHER,FLAT NO. 6	ATT PT	2

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
				1	2
			POWER SUPPLY ASM, 6V AT 15 AMPS -CONT		
24G- 61	62031		WASHER,LOCK-INT TEETH NO. 6 X 0.295 OD	ATT PT	2
- 62	38051		NUT,PLAIN HEX 6-32 X 1/4 FL W	ATT PT	2
- 63	5712309		GUIDE		1
- 64	38235		SCREW,BIND HD 6-32 X .312 LONG	ATT PT	2
- 65	257187		NUT,HEX 6-32 NC	ATT PT	2
- 66	473531		INSULATOR		6
- 67	5760623		HEATSINK		1
- 68	79779		SCREW,THD CTG-BIND HD NO. 6 X 3/4 LG	ATT PT	6
- 69	473536		SEAL		29
- 70	369616		TRANSISTOR-TYPE 119		1
- 71	322550		SCREW,MACH-BIND HD 6-32 X 1/2 LG	ATT PT	2
- 72	257986		WASHER,FLAT NO. 6	ATT PT	2
- 73	6364		WASHER,LOCK-SPLIT NO. 6 X 1/4 OD	ATT PT	2
- 74	38051		NUT,PLAIN HEX 6-32 X 1/4 FL W	ATT PT	2
- 75	219423		TUBE,RUBBER- 0.085 ID X 0.120 OD X 2 LG		12
- 76	369214		TRANSISTOR,TYPE 108		5
- 77	11891		NUT,PLAIN,HEX- 10-32 X 3/8 FL W BRS	ATT PT	5
- 78	207324		RESISTOR,FXD,WW- 0.1 OHM P/M 5% 5W		5
- 79	478045		TERMINAL - SOLDER		5
- 80	70078		SCREW,THD FORMING-BIND HD	ATT PT	5
- 81	473533		GROMMET		1
- 82	5261606		JUMPER PLATE		1
- 83	5261058		COVER		1
- 84	5261543		OVERVOLTAGE CIRCUIT CARD ASM PARTS OF THIS ASM ARE NOT REPLACEABLE		1
- 85	1091173		SCREW,MACH-FL CSK HD 4-40 X 5/8 LG	ATT PT	2
- 86	257985		WASHER-PLAIN, .125 ID .250 OD NO. 4	ATT PT	2
- 87	37913		NUT, HEX 4-40 NC	ATT PT	2
- 88	483111		SPACER,SLEEVE- 0.12 ID 0.25 OD X 0.19 LG		2
- 89	374621		CARD ASSEMBLY-REGULATOR PARTS OF THIS ASM ARE NOT REPLACEABLE		1

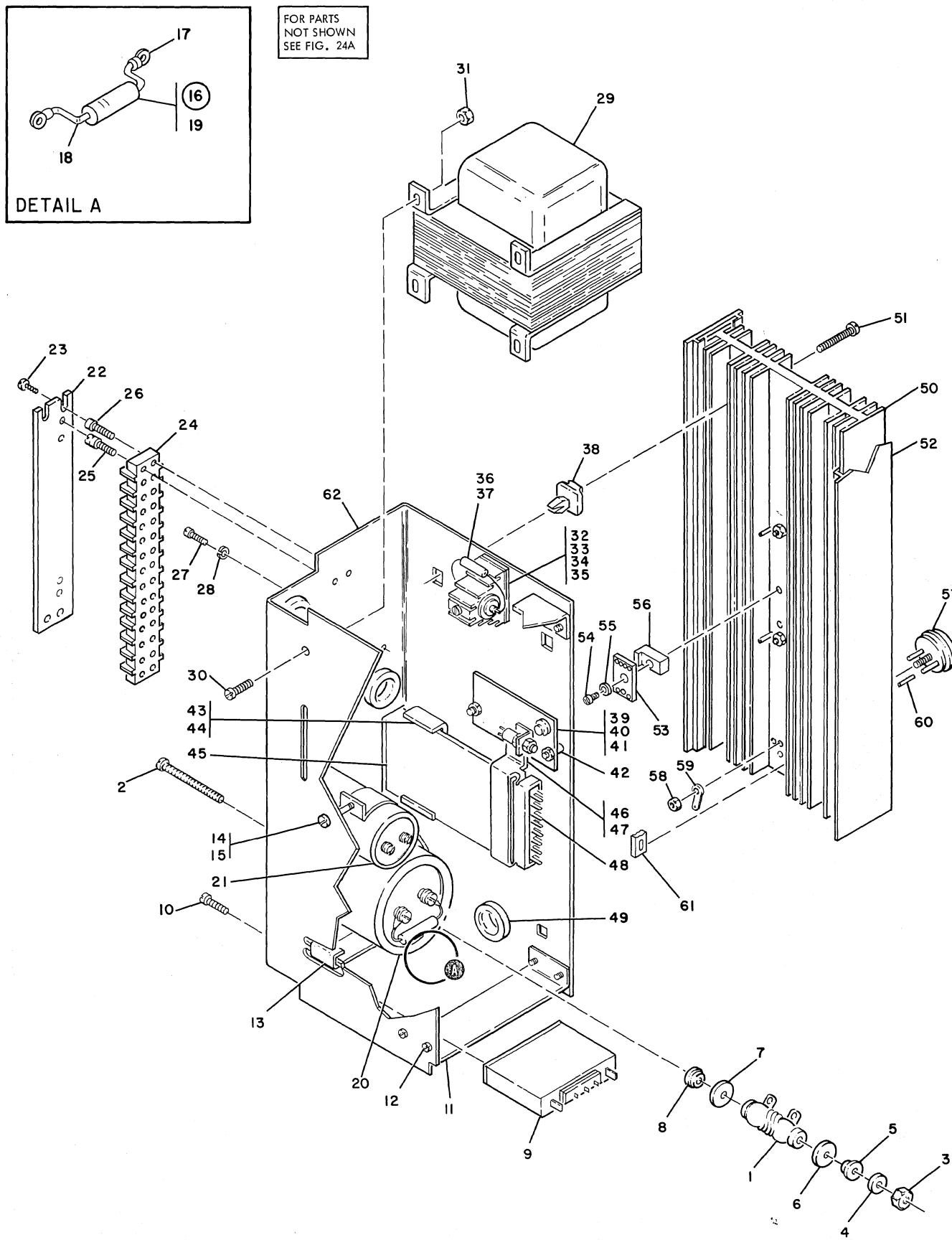


FIGURE 24H. 3 VOLT 4 AMP POWER SUPPLY ASSEMBLY. SEE L1ST 24H.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
				REF	REF
			3VDC 8.0AMP POWER SUPPLY ASSEMBLY		
24H-	5239401 5239419		POWER SUPPLY ASM,3V AT 8AMPS-60 CYCLE POWER SUPPLY ASM,3V AT 8AMPS-50 CYCLE FOR ILLUSTRATION SEE FIGURE 24H FOR NEXT HIGHER ASM SEE LIST 24A-28		
- 1	5261118		• RESISTOR,FXD,WW-0.06 OHM P/M 10% 25W	1	
- 2	438593		• SCREW-MACH-BIND HD NO. 8-32 X 2 1/2 LG	ATT PT	1
- 3	5761938		• NUT/LOCKWASHER ASSEMBLY - 8-32	ATT PT	1
- 4	2903		• WASHER,FL-NO. 6 X 1/2 OD X 1/32 THK		1
- 5	510468		• CUP WASHER		1
- 6	5761935		• WASHER		1
- 7	5761935		• WASHER		1
- 8	510468		• CUP WASHER		1
- 9	5214546		• PROTECTOR		1
- 10	38235		• SCREW,BIND HD 6-32 X .312 LONG	ATT PT	2
- 11	5761779		• BRACKET,CHASSIS		2
- 12	731629		• SCREW,PAN HD- 10-32 X 0.380 LG	ATT PT	8
- 13	5761795		• STRAP, CAPACITOR		1
- 14	438567		• SCREW,MACH-UNDRCT BIND HD 6-32 X 1 LG	ATT PT	1
- 15	5761943		• NUT,HEX 10-32 NC	ATT PT	1
- 16	5261935		• RESISTOR ASSEMBLY-330 OHMS 2W		1
- 17	359695		• • TERMINAL-RING LUG NO.10 STUD	ATT PT	2
- 18	113819		• • TUBING		2
- 19	317080		• • RESISTOR,FXD 330 OHM 2W		1
- 20	5214368		• CAPACITOR		1
- 21	5261089		• CAPACITOR,ELECTROLYTIC- 10000 UF 6VDC		1
- 22	210990		• SHIELD- 13 POSITION		1
- 23	210984		• SCREW,MACH RH 6-32 X .25	ATT PT	1
- 24	5214556		• TERMINAL		1
- 25	5261165		• STUD,SHLDR- 8-32 X 0.438 LG THD	ATT PT	3
- 26	5261167		• STUD- 8-32 X 0.438 LG W/6-32 TAPPED HOLE	ATT PT	1
- 27	10170		• SCREW-MACH,BIND HD NO. 6-32 X .250 LG		1
- 28	56722		• WASHER-LOCK,EXT T, .150 ID		1
- 29	5761724		• TRANSFORMER - 60 CYCLE		1
- 29	4116494		• TRANSFORMER - 50 CYCLE		1
- 30	332620		• SCREW,MACH-BIND HD 10-32 X 1/2 LG	ATT PT	4
- 31	5761908		• NUT,HEX 10-32 NC	ATT PT	4
- 32	5761977		• RECTIFIER ASSEMBLY		1
			PARTS OF THIS ASM ARE NOT REPLACEABLE		
- 33	734483		• SCREW,PAN HD- 6-32 X 0.380 LG	ATT PT	3
- 34	2156037		• WASHER,INSULATING	ATT PT	2
- 35	5761979		• INSULATOR		1
- 36	491228		• CAPACITOR, .010 UF		1
- 37	113819		• TUBING		2
- 38	5761796		• INSULATOR,HEAT SINK		4
- 39	5761987		• OVERTVOLTAGE CARD ASSEMBLY,3 VOLT		1
			PARTS OF THIS ASM ARE NOT REPLACEABLE		
- 40	438551		• SCREW,MACH-BIND HD 4-40 X 5/8 LG	ATT PT	2
- 41	37913		• NUT, HEX 4-40 NC	ATT PT	2
- 42	5312982		• INSULATOR		2
- 43	5712309		• GUIDE		1
- 44	5761907		• RIVET	ATT PT	2
- 45	375200		• CARD ASSEMBLY		1
			PARTS OF THIS ASM ARE NOT REPLACEABLE		
- 46	5761904		• BRACKET		1
- 47	5761907		• RIVET	ATT PT	2
- 48	216076		• TERMINAL BLOCK AND CONTACT ASSEMBLY		1
			FOR COMPONENTS SEE LIST 44-64		
- 49	5761936		• GROMMET		3
- 50	5761764		• HEAT SINK		1
- 51	5761913		• SCREW,	ATT PT	4
- 52	473536		• SEAL		1
- 53	5761909		• TERMINAL, BRASS		1
- 54	2181002		• SCREW,THREAD FORMING-8-32 X 3/4 LG	ATT PT	1
- 55	5374689		• BUSHING	ATT PT	1
- 56	5761798		• INSULATOR, PHENOLIC - .38W X .75 LG		1
- 57	369214		• TRANSISTOR,TYPE 108		3
- 58	11598		• NUT, HEX 10-32	ATT PT	3
- 59	316996		• TERMINAL,LUG-NONINS 9AWG NO. 8 MTG HOLE		1
- 60	5761976		• TUBING		6
- 61	5761966		• BUS STRIP		1
- 62	5761763		• CHASSIS		1

FOR PARTS
NOT SHOWN
SEE FIG. 24A

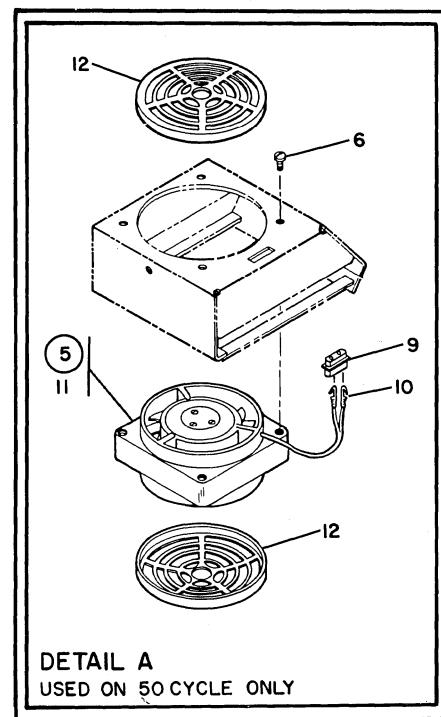
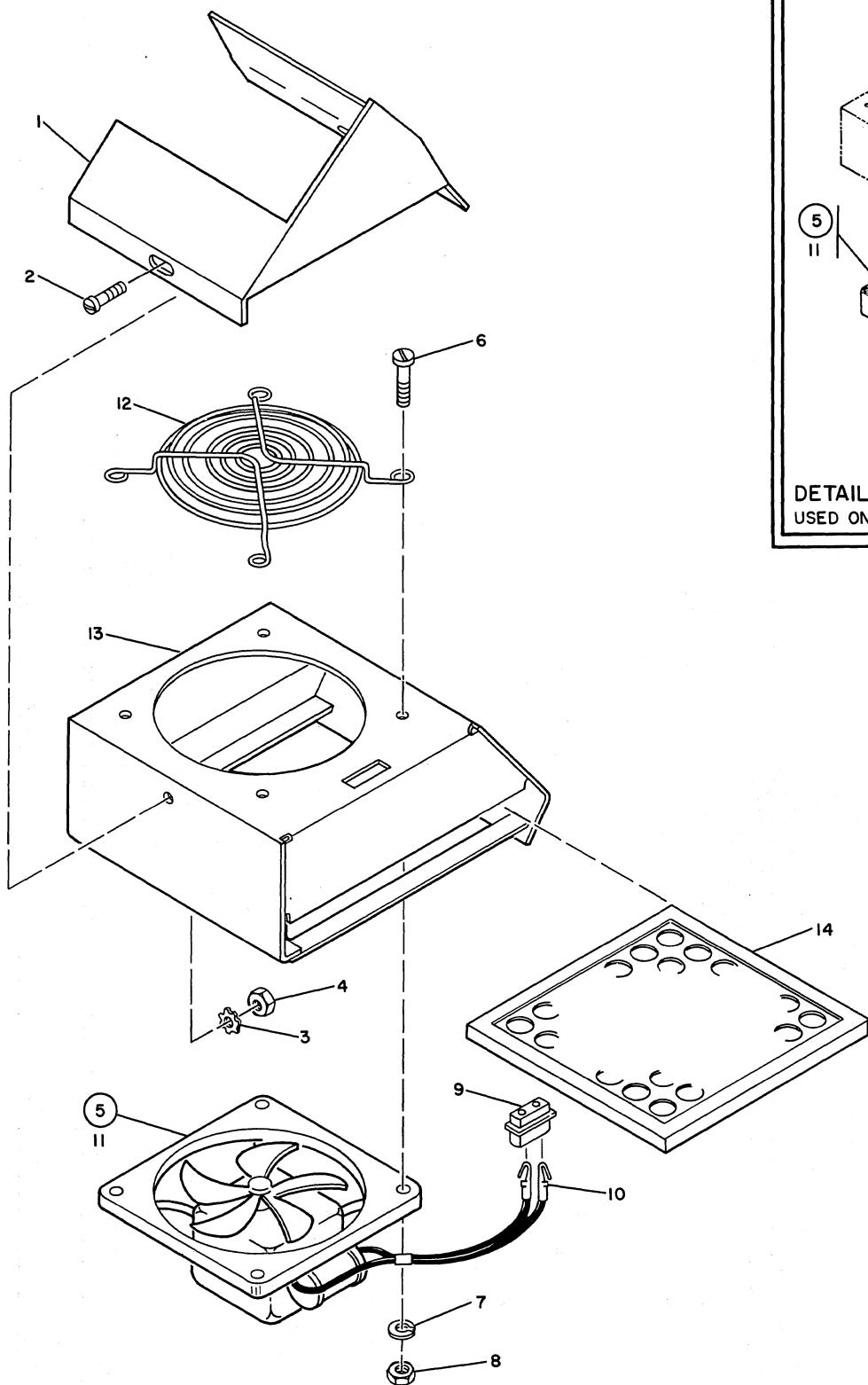


FIGURE 24J. BLOWER ASSEMBLY POWER SUPPLY. SEE LIST 24J

LIST AND INDEX NO.	PART NO.	DESCRIPTION				UNITS PER ASM.	USABLE ON CODE			
		1	2	3	4					
BLOWER ASSEMBLY, POWER SUPPLY										
CODE A USED ON NO SCA OR NO 2501 60 CY CODE B USED ON NO SCA OR NO 2501 50 CY										
24J-										
-	2191045	FAN ASM-POWER SUPPLY,60 CYCLE				REF	A			
-	2191046	FAN ASM-POWER SUPPLY 50 CYCLE				REF	B			
		FOR ILLUSTRATION SEE FIGURE 24J								
		FOR NEXT HIGHER ASM SEE LIST 24A-29								
- 1	2191027	• PLENUM,POWER SUPPLY FAN				1				
- 2	32042	• SCREW, MACH BIND. HD 10-32 X 3/8 LG.	ATT	PT		2				
- 3	56079	• WASHER-LOCK,EXT T .204 ID .410 OD	ATT	PT		2				
- 4	11598	• NUT, HEX 10-32	ATT	PT		2				
- 5	2191103	• FAN ASM- 60 CYCLE				1				
- 5	2191044	• FAN ASM,50 CYCLE				1				
- 6	322065	• SCREW,MACH-BIND HD 6-32 X 5/8 LG	ATT	PT		4	A			
- 6	38235	• SCREW,BIND HD 6-32 X .312 LONG	ATT	PT		4	B			
- 7	6364	• WASHER,LOCK-SPLIT NO. 6 X 1/4 OD	ATT	PT		4	A			
- 8	257187	• NUT,HEX 6-32 NC	ATT	PT		4	A			
- 9	725558	• COVER-CONNECTOR				1				
- 10	609687	• CONTACT				2				
- 11	2172165	• FAN-115 VOLT 60 CYCLE				1				
- 11	4120171	• FAN-220 VOLT 50 CYCLE				1				
- 12	2172166	• GUARD,FAN 60 CYCLE				1				
- 12	4065157	• GUARD-FAN				2	B			
- 13	2190864	• HOLDER,FAN PS				1				
FOLLOWING PARTS ARE NOT INCLUDED W/ASM										
- 14	2130055	FILTER,AIR 6.00 X 6.75				1				

FOR PARTS
NOT SHOWN
SEE FIG. 24A

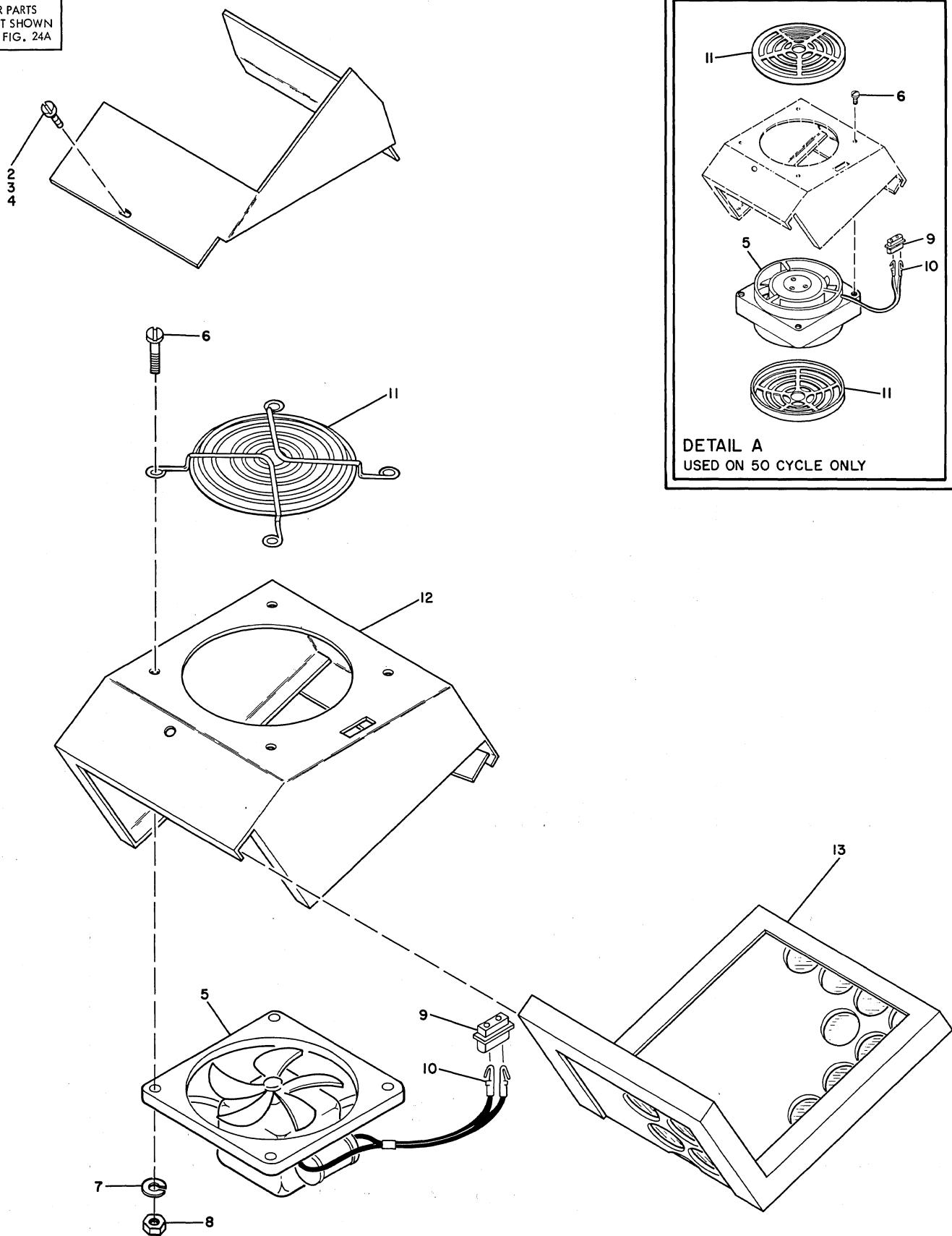


FIGURE 24K. BLOWER ASSEMBLY POWER SUPPLY. SEE LIST 24K

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			BLOWER ASSEMBLY, POWER SUPPLY		
24K-			CODE A USED ON SCA OR 2501 60 CY ATTACH CODE B USED ON SCA OR 2501 50 CY ATTACH		
-	2191472		FAN ASM-POWER SUPPLY,60 CYCLE	REF	A
-	2191471		FAN ASM-POWER SUPPLY,50 CYCLE	REF	B
-	2191469		FOR ILLUSTRATION SEE FIGURE 24K		
-	32042		FOR NEXT HIGHER ASM SEE LIST 24A-29		
-	56079		• PLENUM,POWER SUPPLY FAN	1	
-	11598		• SCREW, MACH BIND. HD 10-32 X 3/8 LG.	2	
-	2172165		• WASHER-LOCK,EXT T .204 ID .410 OD	2	
-	4120171		• NUT, HEX 10-32	2	
-	322550		• FAN-115 VOLT 60 CYCLE	1	A
-	38235		• FAN-220 VOLT 50 CYCLE	1	B
-	6364		• SCREW,MACH-BIND HD 6-32 X 1/2 LG	4	A
-	257187		• SCREW,BIND HD 6-32 X .312 LONG	4	B
-	725558		• WASHER,LOCK-SPLIT NO. 6 X 1/4 OD	4	A
-	609687		• NUT,HEX 6-32 NC	4	A
-	2172166		• COVER-CONNECTOR	1	
-	4065157		• CONTACT	1	A
-	2191470		• GUARD,FAN 60 CYCLE	2	B
-			• GUARD-FAN	1	
-			• HOUSING,FAN	1	
			FOLLOWING PARTS ARE NOT INCLUDED W/ASM		
-	2191468		FILTER,AIR,10.25 X 6.0	1	

FOR PARTS
NOT SHOWN
SEE FIG. 4

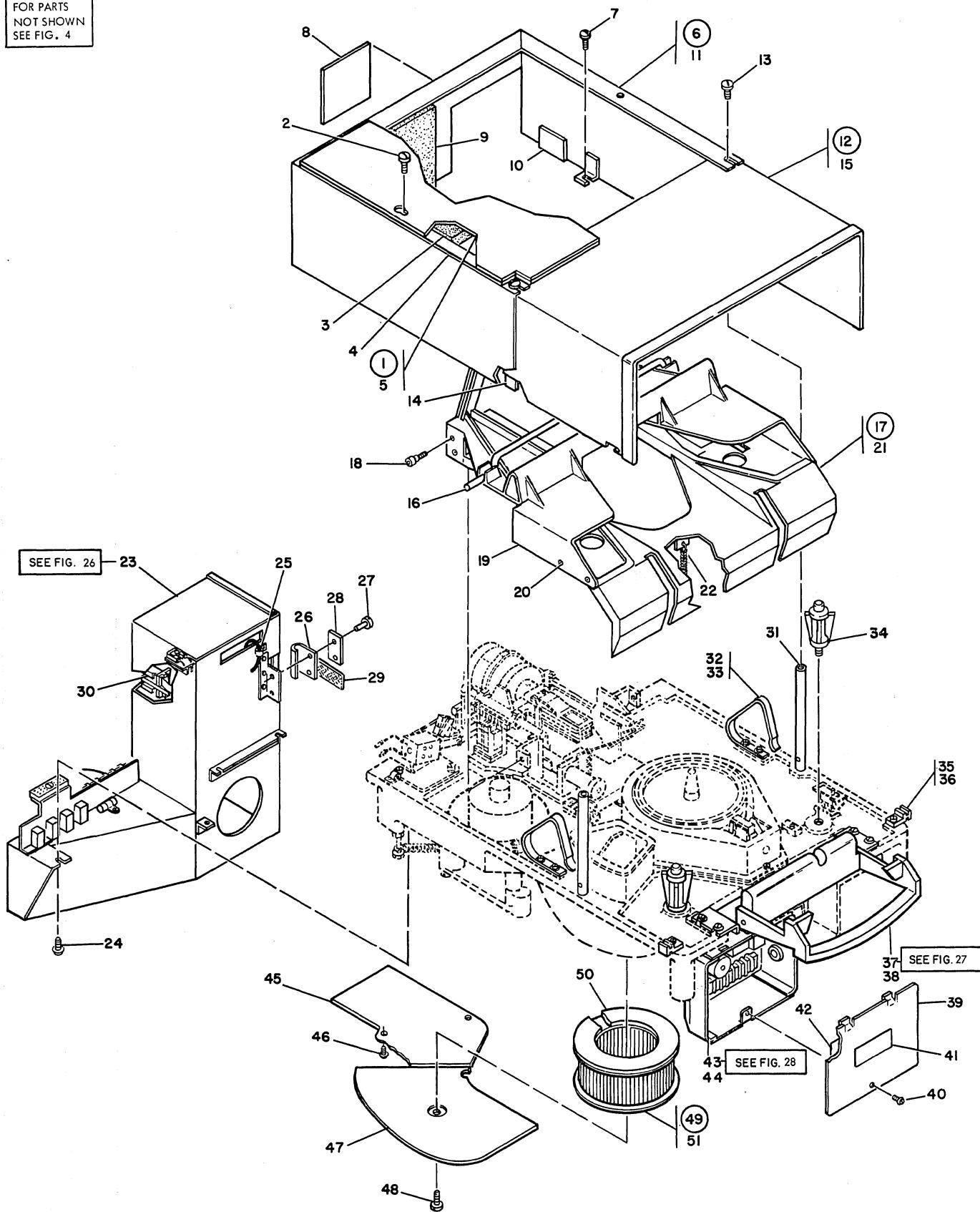


FIGURE 25. 13 SD ASSEMBLY. SHEET 1 OF 2, INDEX NOS. 1-51. SEE LIST 25.

FOR PARTS
NOT SHOWN
SEE FIG. 4

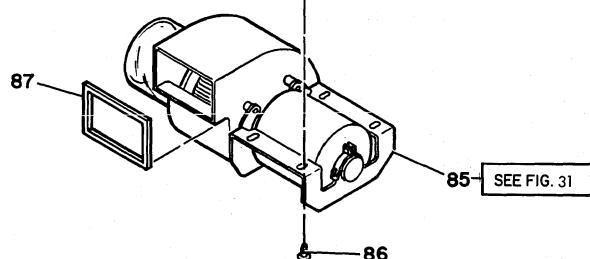
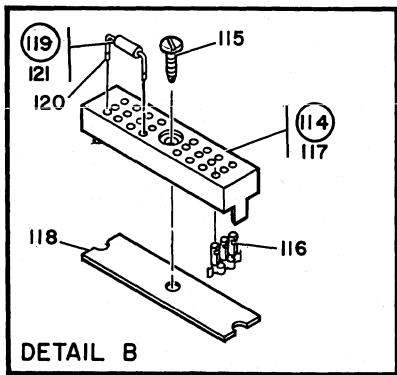
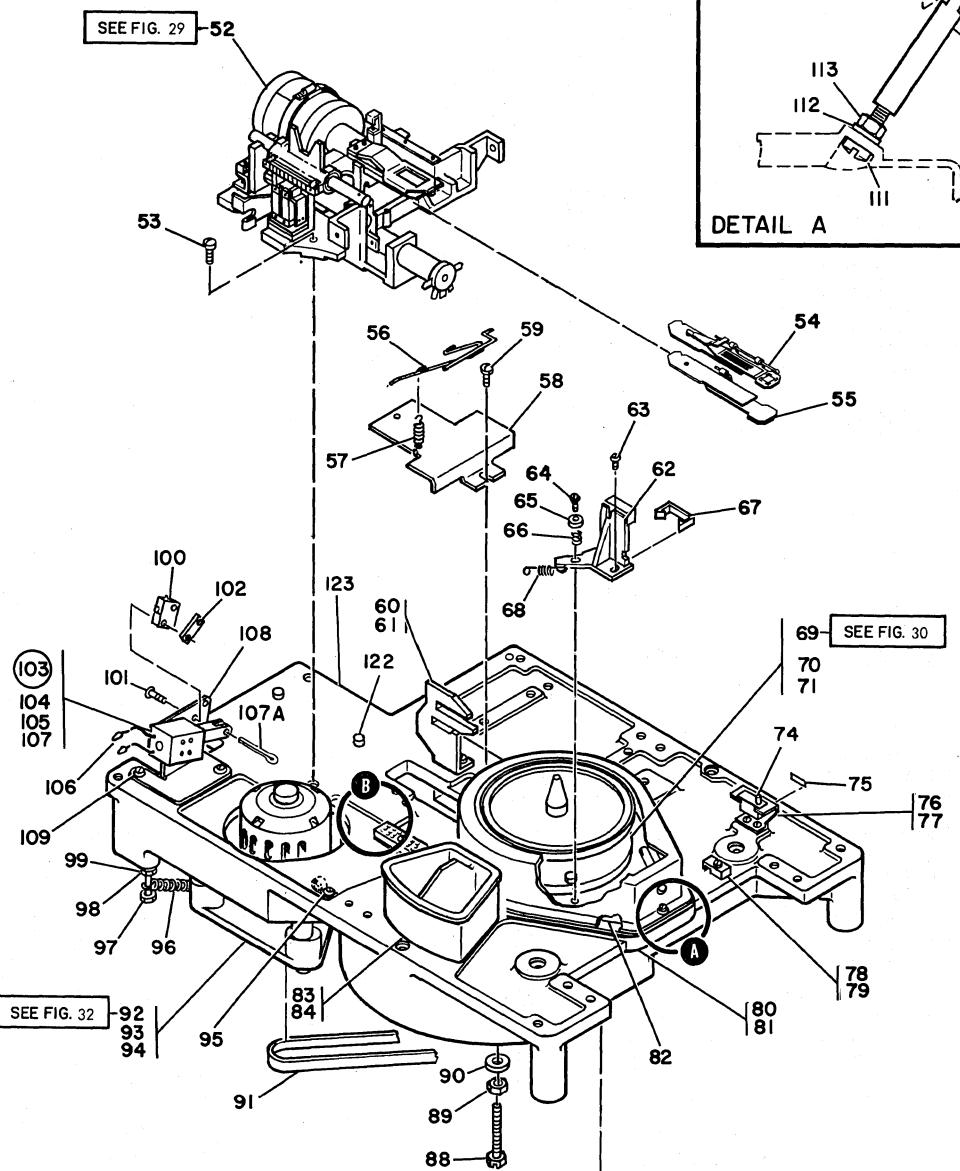


FIGURE 25. 13 SD ASSEMBLY. SHEET 2 OF 2, INDEX NO. 52-123. SEE LIST 25.

LIST AND INDEX NO.	PART NO.	DESCRIPTION				UNITS PER ASM.	USABLE ON CODE
		1	2	3	4		
13 SD ASSEMBLY							
25 -	2219061	13SD ASSEMBLY-60 CYCLE 115 VOLT					REF
-	2219050	13SD ASSEMBLY-50 CYCLE 208 VOLT FOR ILLUSTRATION SEE FIGURE 25 FOR NEXT HIGHER ASM SEE LIST 4-65					REF
- 1	2219144	• COVER ASM, TOP REAR					1
- 2	81693	• SCREW, MACH-BIND HD 6-32 X 3/8 LG	ATT PT				2
- 3	2219146	• • RUBBER, TOP COVER					1
- 4	2162959	• • FELT, .062 X .375 WIDE, BULK					AR
- 5	2219142	• • COVER, TOP REAR					1
- 6	2219143	• COVER ASM, SIDE REAR					1
- 7	81693	• SCREW, MACH-BIND HD 6-32 X 3/8 LG	ATT PT				2
- 8	2219044	• • LABEL, IDENTIFICATION					1
- 9	2219145	• • RUBBER, SIDE COVER					1
- 10	2219140	• • FOAM, COVERS					1
- 11	2219141	• • COVER, SIDE REAR					1
- 12	2219069	• COVER ASSEMBLY, FRONT					1
- 13	236849	• SCREW, MACH-BIND HD 10-32 X 1/4 LG	ATT PT				2
- 14	2219140	• • FOAM, COVERS					2
- 15	2219001	• • COVER-FRONT WELDMENT					1
- 16	2219064	• ROD					1
- 17	2199417	• RECEIVER ASSEMBLY					1
- 18	2199427	• SCREW, KNURL-SHOULDER 1/4-20 X 0.437 LG.	ATT PT				2
- 19	2204146	• • RECEIVER, TOP					1
- 20	2219094	• • EYELET	ATT PT				8
- 21	2204147	• • RECEIVER, BOTTOM					1
- 22	2207643	• SPRING, HELICAL, EXTENSION- 55 TURNS					1
- 23	2204059	• ELECTRONIC GATE ASSEMBLY					1
FOR DETAIL BREAKDOWN SEE LIST 26							
- 24	2181004	• SCREW, THREAD FORMING-HEX WASHER HD	ATT PT				4
- 25	2207640	• CABLE ASM, BASEPLATE FOR COMPONENTS SEE LIST 44-2,2C 14,16,17,26A,28A,34A,63 AND 78A					1
- 26	2219006	• GUIDE,CABLE					1
- 27	2181011	• SCREW, SELF TAPPING, 6-32 X .50 LG.	ATT PT				2
- 28	2219005	• STRAP, RETAINER					1
- 29	2199164	• CABLE ASSEMBLY-TRANSDUCER FOR COMPONENT PARTS SEE LIST 44-75A 76A,77A,77B AND 78					1
- 30	2204195	• CLAMP,ADAPTER					1
- 31	2204189	• STANDOFF					2
- 32	2219066	• SPRING					2
- 33	2181012	• SCREW, SELF TAPPING, 8-32 X .437 LG.	ATT PT				4
- 34	2219178	• PIN, REST					2
- 35	2219003	• BLOCK,COVER LOCATING					4
- 36	322550	• SCREW,MACH-BIND HD 6-32 X 1/2 LG	ATT PT				4
- 37	2207642	• INTERLOCK ASSEMBLY FOR DETAIL BREAKDOWN SEE LIST 27					1
- 38	2181004	• SCREW,THREAD FORMING-HEX WASHER HD	ATT PT				4
- 39	2207633	• COVER PLATE,ACCESS					1
- 40	2181005	• SCREW, SELF TAPPING, 6-32 X .375 LG.	ATT PT				1
- 41	138754	• LABEL,VOLTAGE WARNING					1
- 42	2207634	• LABEL, AC BOX					1
- 43	2207631	• BOX ASM,AC 115V 60 CYCLE					1
- 43	2207638	• BOX ASM,AC 220V 50 CYCLE FOR DETAIL BREAKDOWN SEE LIST 28					1
- 44	2181001	• SCREW,THD FORMING-HEX WASH HD 10-32X 3/4	ATT PT				2
- 45	2204053	• COVER 2,PLENUM					1
- 46	2181004	• SCREW,THREAD FORMING-HEX WASHER HD	ATT PT				2
- 47	2204052	• COVER 1,PLENUM					1
- 48	234340	• SCREW AND LOCKWASHER,HEX HD .25-20 X.50	ATT PT				1
- 49	2219104	• FILTER ASM					1
- 50	2204127	• • GASKET-RUBBER FILTER 3.38 ID X 5-1/4 OD					1
- 51	2204128	• • FILTER-AIR 3.22 ID X 5.42 OD X 2.09 THK					1
- 52	2204028	• ACTUATOR ASSEMBLY FOR DETAIL BREAKDCWN SEE LIST 29					1
- 53	2181001	• SCREW,THD FORMING-HEX WASH HD 10-32X 3/4	ATT PT				5
- 54	2207604	• HEAD ARM ASSEMBLY-TOP PARTS OF THIS ASM ARE NOT REPLACEABLE					1
- 55	2207605	• HEAD ARM ASSEMBLY-BOTTOM PARTS OF THIS ASM ARE NOT REPLACEABLE					1
- 56	2204037	• OPENER,DOOR CARTRIDGE					1
- 57	2199272	• SPRING,HELICAL, EXTENSION- 24 TURNS					1
- 58	2204045	• BAFFLE,AIR					1
- 59	234318	• SCREW,ASMD WASHER-FIL H 8-32 X 3/8 LG	ATT PT				2
- 60	2204047	• DISK GUIDE					1
- 61	5319888	• SCREW, SELF TAPPING, 10-32 X .625 LONG	ATT PT				2

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			13 SD ASSEMBLY		
25 - 62	2219167		<ul style="list-style-type: none"> • TRANSDUCER ASSEMBLY PARTS OF THIS ASM ARE NOT REPLACEABLE • SCREW, MACH-BIND HD 6-32 X 1/2 LG • SCREW, THD FORMING-HEX WASH HD 10-32X 3/4 • WASHER, CUP INSULATING • SPRING-COMPRESSION 0.295 OD X 0.39 LG • CLAMP • SPRING, HELICAL, EXTENSION 35 TURNS • SPINDLE ASM, MAGNET AND FOR DETAIL BREAKDOWN SEE LIST 30 • SCREW, MACH-HEX HD 10-32 X 1/2 LG • WASHER-LOCK, SPLIT RING, .194 ID .337OD • SWITCH, PUSH-SPDT 250VAC 10 AMP MOMENTARY • LABEL, SWITCHES • BRACKET • SCREW, SELF TAPPING, 6-32 X .375 LG. • CLAMP, CABLE • SCREW, THD FORMING HEX- 8-32 X 1/2 LG • SHROUD • SCREW, SELF TAPPING, 8-32 X .437 LG. • SEAL, ACTUATOR SHIELD • DUCT, AIR CARTRIDGE • SCREW, THREAD FORMING-HEX WASHER HD • BLOWER ASSEMBLY-115V 60 CYCLE • BLOWER ASSEMBLY-220V 50 CYCLE FOR DETAIL BREAKDOWN SEE LIST 31 • SCREW, THREAD FORMING-HEX WASHER HD • GASKET, BLOWER • SCREW, SLOTTED HEX HD 5/16-18 X 3.0 LONG • NUT, HEX 5/16-18 THREAD • WASHER, FLAT 0.330 ID-0.625 OD-0.05 THK • BELT, FLAT-FILE DRIVE • MOTOR ASM, DRIVE-115 VOLT 60 CYCLE • MOTOR ASM, DRIVE-220 VOLT 50 CYCLE FOR DETAIL BREAKDOWN SEE LIST 32 • SCREW, MACH-HEX HD 1/4-20 X 2 LG • WASHER, LOCK-SPLIT 1/4 X 0.493 OD • SCREW, MACH-BIND HD 6-32 X 1/2 LG • SPRING, HELICAL, EXTENSION- 34 TURNS • SCREW, MACH HEX HD 5/16 X 2-1/4 LG • NUT, HEX 5/16-18 THREAD • WASHER, LOCK-INT TEETH 5/16 ID X 0.607 OD • SWITCH, MICRO • SCREW, MACH-BIND HD 4-40 X 5/8 LG • PLATE, SECTOR PULSE SWITCH • SOLENOID ASSEMBLY, 24V-DC • SCREW, BD HD MACH-8-32 NC-2A X .250 LG • WASHER, FL - NO.10 X 7/16 OD X 1/32 THK • TERMINAL, SMALL TAPER 20-22-24 OR 26 AWG • SOLENOID, 24V DC • PIN, COTTER- 0.120 DIA X 7/8 LG • BRACKET • SCREW, SELF TAPPING, 8-32 X .437 LG. • PUSH ROD, TRANSDUCER • SCREW, MACHINE FILL.-HD, 6-32 X 1-304 LG • WASHER, FLAT NO. 6 • NUT, SELF LKG, HEX- 6-32 X 5/16 FL W • TERMINAL BLOCK ASM-24 FEMALE CONTACTS • SCREW, PAN HD 4-40 X 0.500 LONG • SPRING-TERMINAL BOARD CONTACT • BLOCK, TERMINAL • STRIP-TERMINAL BLOCK INSULATOR • CAPACITOR ASM, .001 MFD • TERMINAL, QUICK DISCONNECT-NONINS 16AWG • CAPACITOR, .001 UF • PIN, DOWEL, .312 OD X 1.00 LG • BASE PLATE 	1	
- 63	322550			1	
- 64	2181001			1	
- 65	2204073			1	
- 66	2204076			1	
- 67	2219056			1	
- 68	2204183			1	
- 69	2207714			1	
- 70	120211			3	
- 71	9092			3	
- 74	2219049			1	
- 75	2219170			1	
- 76	2219048			1	
- 77	2181005			2	
- 78	2199134			3	
- 79	5349929			3	
- 80	2204031			1	
- 81	2181012			4	
- 82	2164097			1	
- 83	2199379			1	
- 84	2181004			2	
- 85	2204138			1	
- 85	2204139			1	
- 86	2181004			4	
- 87	2199391			1	
- 88	127712			1	
- 89	4564			1	
- 90	161351			1	
- 91	2199173			1	
- 92	2199377			1	
- 92	2199386			1	
- 93	59649			3	
- 94	6935			3	
- 95	322550			1	
- 96	2199380			1	
- 97	59659			1	
- 98	4564			1	
- 99	127499			1	
-100	2162551			1	
-101	438551			2	
-102	2157349			1	
-103	2204060			1	
-104	58207			3	
-105	45690			3	
-106	187243			2	
-107	2199129			1	
-107A	35868			1	
-108	2219190			1	
-109	2181012			2	
-110	2204181			1	
-111	438564			1	
-112	257986			1	
-113	344015			1	
-114	302090			1	
-115	2191846			1	
-116	302089			8	
-117	302088			1	
-118	302131			1	
-119	610083			1	
-120	320167			2	
-121	492411			1	
-122	104715			2	
-123	2207552			1	

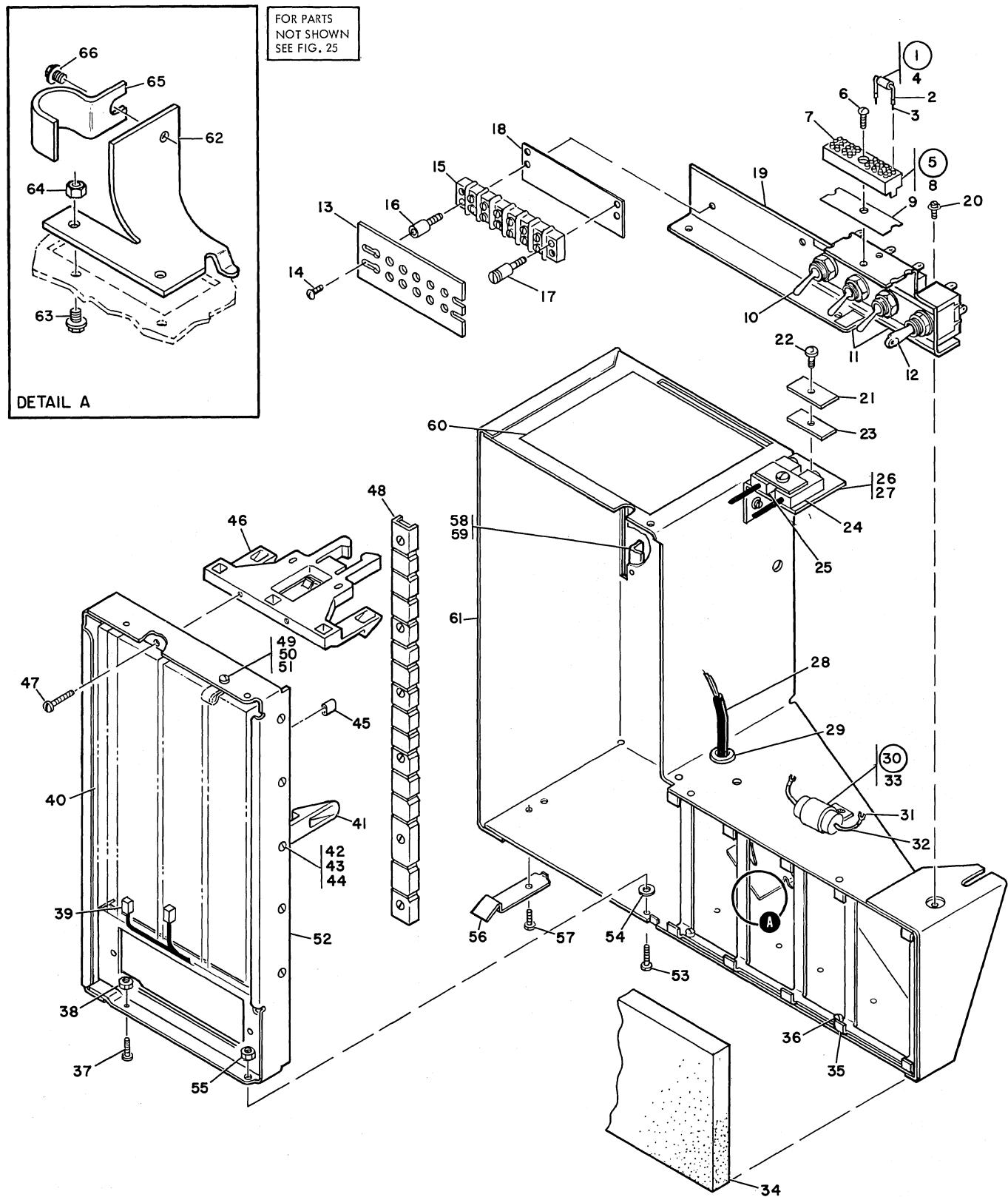


FIGURE 26. ELECTRONIC GATE ASSEMBLY. SEE LIST 26.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			ELECTRNIC GATE ASSEMBLY		
26 -	2204059		ELECTRONIC GATE ASSEMBLY FOR ILLUSTRATION SEE FIGURE 26 FOR NEXT HIGHER ASM SEE LIST 25-23	REF	
- 1	615354		• DIODE ASM, SILICON TYPE AM	1	
- 2	113819		• . TUBING	2	
- 3	187243		• . TERMINAL, SMALL TAPER 20-22-24 OR 26 AWG	2	
- 4	2111232		• . DIODE SILICON TYPE AM	1	
- 5	302090		• TERMINAL BLOCK ASM-24 FEMALE CONTACTS	1	
- 6	2191846		• SCREW, PAN HD 4-40 X 0.500 LONG	1	
- 7	302089		• . SPRING-TERMINAL BOARD CONTACT	8	
- 8	302088		• . BLOCK,TERMINAL	1	
- 9	302131		• STRIP-TERMINAL BLOCK INSULATOR	1	
- 10	479318		• SWITCH,TOGGLE,SPST	3	
- 11	2219027		• LABEL,IDENTIFICATION	1	
- 12	339036		• SWITCH, MICRO- TOGGLE	1	
- 13	186944		• SHIELD,TERMINAL BOARD- 6 POSITION	1	
- 14	210984		• SCREW,MACH RH 6-32 X .25	ATT PT	1
- 15	317131		• TERMINAL BLOCK, 6 POSITION	1	
- 16	210883		• STUD, EXT 6-32 X 1/2 INT 6-32 X 0.19 DP	ATT PT	1
- 17	210884		• STUD, SLOTTED 6-32 X 1/2 LONG THREAD	ATT PT	1
- 18	322266		• MARKER STRIP- 6 POS NOS. 1 THRU 6	1	
- 19	2257133		• PANEL	1	
- 20	2181005		• SCREW, SELF TAPPING, 6-32 X .375 LG.	ATT PT	3
- 21	2199132		• CLAMP,CABLE TERMINAL	2	
- 22	2181007		• SCREW, SELF TAPPING, 6-32 X .625 LG.	ATT PT	2
- 23	2199133		• PAD,RUBBER-CABLE CLAMP	2	
- 24	2199249		• CABLE ASM- B HEAD TO EL. BOX EXTENSION FOR COMPONENTS SEE LIST 44-26,28 AND 55	1	
- 25	2199138		• CABLE ASM-A HEAD TO EL. BOX EXTENSION FOR COMPONENTS SEE LIST 44-26,28 AND 55	1	
- 26	2257135		• BRACKET,HEAD LEADS	1	
- 27	2181005		• SCREW, SELF TAPPING, 6-32 X .375 LG.	ATT PT	2
- 28	2204177		• CABLE ASM,CE SWITCHES AND HEAD LOAD FOR COMPONENTS SEE LIST 44-8,11 17,34A,62B,76 AND 78A	1	
- 29	317192		• GROMMET,RUB-FOR 1/2 HOLE X 1/16 PNL	1	
- 30	194719		• CAPACITOR ASM-W/TERMINALS 16 UF 250 VDC	1	
- 31	255994		• . TERMINAL,LUG	2	
- 32	113819		• . TUBING	2	
- 33	444984		• . CAPACITOR, ELECTROLYTIC - 16UF 250VDC	1	
- 34	2199270		• FILTER,INTAKE	1	
- 35	2257136		• RETAINER,FILTER	1	
- 36	80650		• SCREW,THD CTG-BIND HD NO. 6 X 3/16 LG	ATT PT	2
- 37	1138818		• SCREW,MACH,BIND HD- 4-40 X 1/4 LG	2	
- 38	37913		• NUT, HEX 4-40 NC	2	
- 39	2199480		• CABLE ASM-SLT POWER FOR COMPONENTS SEE LIST 44-2C 69,69A,71,73 AND 73A	1	
- 40	2199441		• PANEL ASSEMBLY-CUSTOMIZED BOARD PARTS OF THIS ASM ARE NOT REPLACEABLE	1	
- 41	2219151		• CLAMP	4	
- 42	472729		• SCREW,MACH-FL CSK HD 4-40 X 3/8 LG	ATT PT	4
- 43	56722		• WASHER-LOCK,EXT T, .150 ID	ATT PT	4
- 44	37913		• NUT, HEX 4-40 NC	ATT PT	4
- 45	811090		• LOCATOR-OVAL	14	
- 46	2204121		• SUPPORT,RETAINER	2	
- 47	322551		• SCREW,BIND HD 6-32 X 0.75 LONG	ATT PT	4
- 48	2204120		• RETAINER ASSEMBLY,SLT CARD PARTS OF THIS ASM ARE NOT REPLACEABLE	1	

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS	USABLE
				PER ASM.	ON CODE
			ELECTRONIC GATE ASSEMBLY -CONT		
26 - 49	81693		SCREW,MACH-BIND HD 6-32 X 3/8 LG	1	
- 50	56722		WASHER-LOCK,EXT T, .150 ID	1	
- 51	257187		NUT,HEX 6-32 NC	1	
- 52	2204018		GATE WELDMENT,ELECTRONICS GATE	1	
- 53	35739		SCREW,MACH-BIND HD 6-32 X 15/16 LG	2	
- 54	257986		WASHER,FLAT NO. 6	2	
- 55	344015		NUT,SELF LKG,HEX- 6-32 X 5/16 FL W	2	
- 56	2219010		LATCH, ELECTRONIC GATE	1	
- 57	2181005		SCREW, SELF TAPPING, 6-32 X .375 LG.	1	
- 58	2257137		RETAINER,BOARD	1	
- 59	2181005		SCREW, SELF TAPPING, 6-32 X .375 LG.	3	
- 60	2219044		LABEL,IDENTIFICATION	1	
- 61	2257139		HOUSING, ELECTRONIC GATE	1	
			THE FOLLOWING PARTS ARE FEATURES ONLY		
- 62	2219047		CLAMP SUPPORT,CPU	1	
- 63	2181005		SCREW, SELF TAPPING, 6-32 X .375 LG.	2	
- 64	257187		NUT,HEX 6-32 NC	2	
- 65	15889		CLAMP-CABLE	1	
- 66	2181005		SCREW, SELF TAPPING, 6-32 X .375 LG.	1	

FOR PARTS
NOT SHOWN
SEE FIG. 25

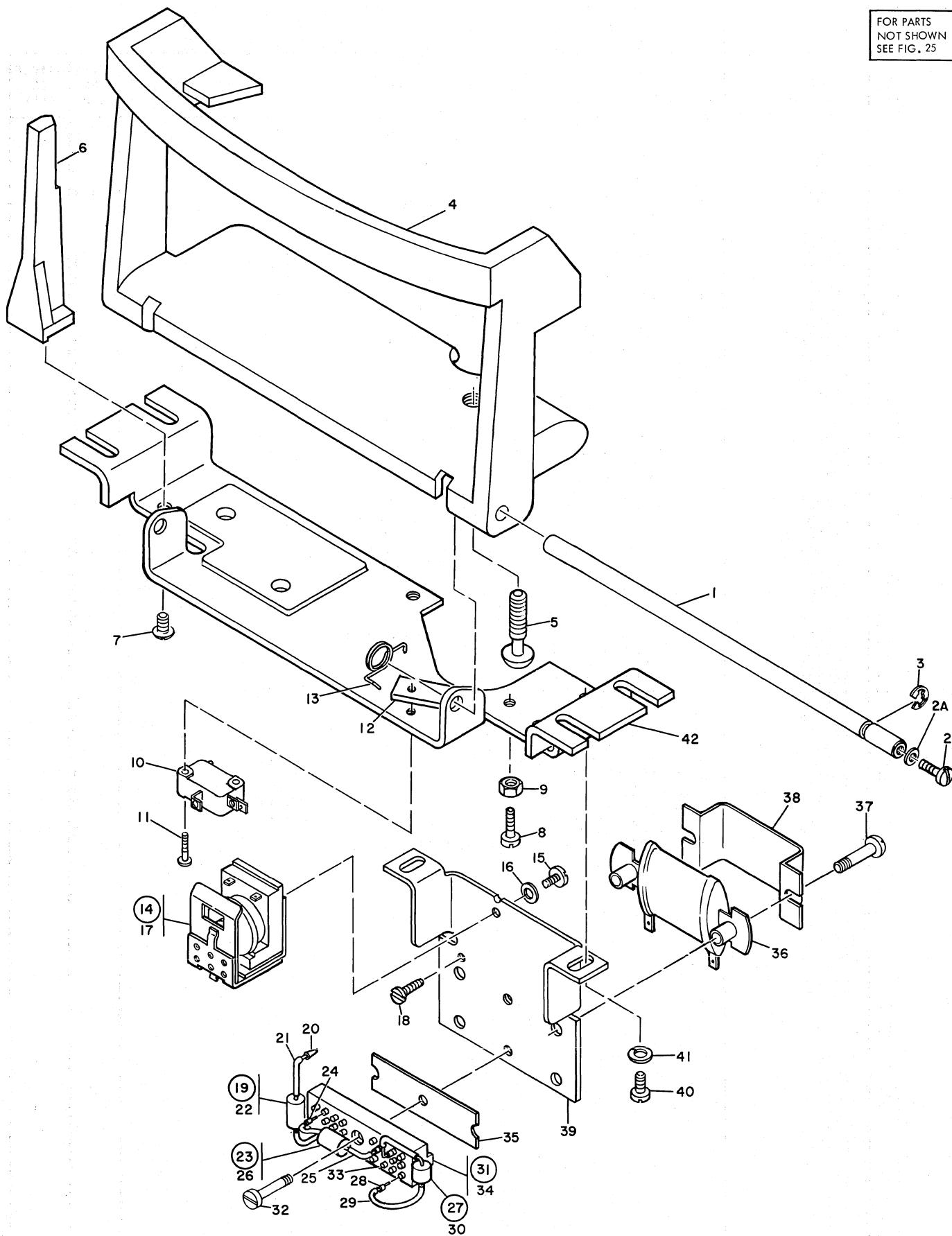


FIGURE 27. INTERLOCK ASSEMBLY. SEE LIST 27

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
				REF	
			INTERLOCK ASSEMBLY		
27 -	2207642		INTERLOCK ASSEMBLY FOR ILLUSTRATION SEE FIGURE 27 FOR NEXT HIGHER ASM SEE LIST 25-37		
- 1	2199276		• SHAFT,HANDLE		1
- 2	336324		• SCREW,MACH-FIL H 6-32 X 5/8 LG	ATT PT	1
- 2A	257986		• WASHER,FLAT NO. 6	ATT PT	1
- 3	332747		• RING,RETAINING-EXT 0.207 ID X 0.025 THK	ATT PT	1
- 4	2207593		• HANDLE		1
- 5	2207644		• SCREW, BUTTON HD HEX SOC 10-24 X 1-1/2LG		1
- 6	2204085		• COLUMN, CARTRIDGE SUPPORT		2
- 7	186758		• SCREW,MACH-BIND HD 8-32 X 7/16 LG	ATT PT	2
- 8	38393		• SCREW,MACH-FIL H 10-32 X 1-3/4 LG		1
- 9	11598		• NUT, HEX 10-32		1
- 10	2162551		• SWITCH,MICRO		1
- 11	438551		• SCREW,MACH-BIND HD 4-40 X 5/8 LG	ATT PT	2
- 12	2157349		• PLATE, SECTOR PULSE SWITCH	ATT PT	1
- 13	2207635		• SPRING		1
- 14	2207637		• RELAY,ACTUATOR PICK 24VDC DROP 3VDC		1
- 15	186758		• SCREW,MACH-BIND HD 8-32 X 7/16 LG	ATT PT	1
- 16	2903		• WASHER,FL-NO. 6 X 1/2 OD X 1/32 THK	ATT PT	1
- 17	2207636		• • PLATE,STRIKER		1
- 18	2181006		• SCREW, SELF TAPPING, 6-32 X 1.00 LG.		1
- 19	2207960		• RESISTOR, FXD COMP-220 OHMS P/M 5% 1W		1
- 20	360433		• • TERMINAL-TAPER PIN 16/18AWG 0.073 NOM OD		2
- 21	317304		• • TUBING		2
- 22	321196		• • RESISTOR,FXD,COMP- 220 OHMS P/M 5% 1W		1
- 23	2199447		• • RESISTOR ASM-W/PLUGS 15 OHMS P/M 10% 5W		1
- 24	187243		• • TERMINAL, SMALL TAPER 20-22-24 OR 26 AWG		2
- 25	512848		• • TUBING		2
- 26	520546		• • RESISTOR,FXD,WW- 15 OHMS P/M 10% 5W		1
- 27	615354		• • DIODE ASM, SILICON TYPE AM		1
- 28	187243		• • TERMINAL, SMALL TAPER 20-22-24 OR 26 AWG		2
- 29	113318		• • DIODE, SPEC. NOT AVAILABLE		2
- 30	2111232		• • DIODE SILICON TYPE AM		1
- 31	302090		• TERMINAL BLOCK ASM-24 FEMALE CONTACTS		2
- 32	438550		• SCREW,MACH-BIND HD 4-40 X 1/2 LG	ATT PT	2
- 33	302089		• • SPRING-TERMINAL BOARD CONTACT		8
- 34	302088		• • BLOCK,TERMINAL		1
- 35	302131		• STRIP-TERMINAL BLOCK INSULATOR		2
- 36	2199312		• RESISTOR, WIREWOUND 100 OHMS 40 WATTS		1
- 37	731627		• SCREW, PAN HEAD, 6-32 X .75 LONG	ATT PT	2
- 38	2207611		• SHIELD,40W RESISTOR		1
- 39	2207639		• BRACKET, INTERLOCK		1
- 40	38235		• SCREW,BIND HD 6-32 X .312 LONG	ATT PT	2
- 41	257986		• WASHER,FLAT NO. 6	ATT PT	2
- 42	2207645		• BRACKET ASSEMBLY		1
			PARTS OF THIS ASM ARE NOT REPLACEABLE		

FOR PARTS
NOT SHOWN
SEE FIG. 25

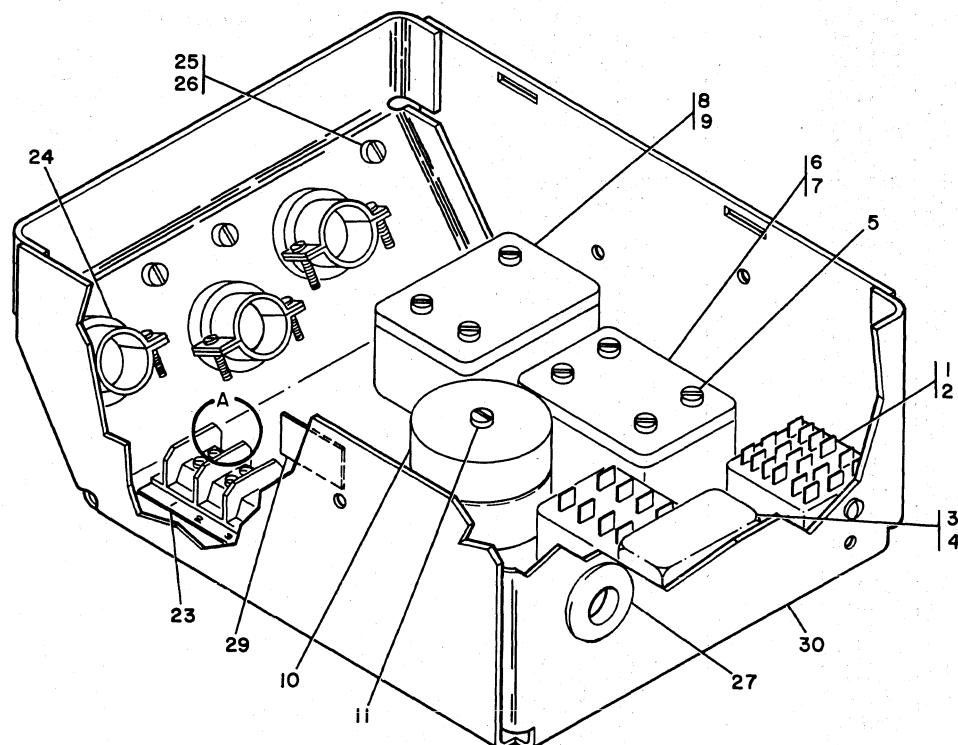
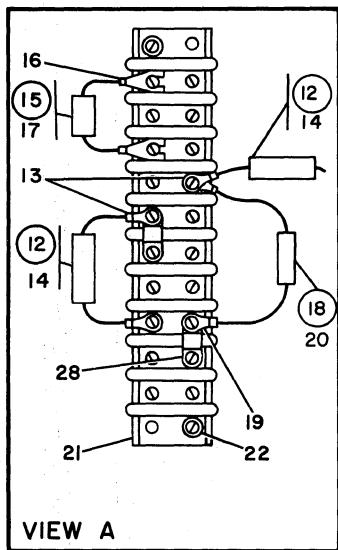


FIGURE 28. AC BOX ASSEMBLY. SEE LIST 28.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			AC BOX ASSEMBLY		
28 -	2207631		BOX ASM,AC 115V 60 CYCLE		REF
-	2207638		BOX ASM,AC 220V 50 CYCLE FOR ILLUSTRATION SEE FIGURE 28 FOR NEXT HIGHER ASM SEE LIST 25-43		REF
- 1	2199251		• RELAY,3PDT-48 VDC COIL		1
- 2	81693		• SCREW,MACH-BIND HD 6-32 X 3/8 LG	ATT PT	1
- 3	2204173		• RELAY ASM,TIME DELAY 48VOLT DC,100 SEC		1
- 4	2181005		• SCREW, SELF TAPPING, 6-32 X .375 LG.	ATT PT	2
- 5	2219091		• SCREW,BINDING HD 6-32 X 0.19 LONG		7
- 6	2219074		• RELAY,MOTOR START- 115V 60 CYCLE USED ON 2207631 ASM ONLY		1
- 6	2199297		• RELAY,MOTOR START- 220 V 50 CYC USED ON 2207638 ASM ONLY		1
- 7	5350006		• SCREW, SELF TAPPING, 6-32 X .250 LONG	ATT PT	2
- 8	2204166		• RELAY ASM,MOTOR START-115V 60 CYCLE		1
- 8	2204165		• RELAY ASM,MOTOR START-230V 50 CYCLE		1
- 9	5350006		• SCREW, SELF TAPPING, 6-32 X .250 LONG	ATT PT	2
- 10	2160790		• CHOKES ASSEMBLY, TOROID		2
- 11	438593		• SCREW-MACH-BIND HD NO. 8-32 X 2 1/2 LG	ATT PT	1
- 12	2160805		• CAPACITOR ASM, PAPER 0.01 MFD 20% 600VDC		2
- 13	1092019		• . TERMINAL, RING NONINS NO 22-16 AWGX0.145		2
- 14	286531		• . CAPACITOR, PAPER 0.01MFD 20% 600VDC		1
- 15	2219116		• DIODE ASM,SILICON TYPE AM		1
- 16	186967		• . TERMINAL,LUG-NONINS 20AWG NO.6 MTG SLOT		2
- 17	2111232		• . DIODE SILICON TYPE AM		1
- 18	2101495		• RESISTOR ASM-W/LEADS 100 OHMS 2 W		1
- 19	1092019		• . TERMINAL, RING NONINS NO 22-16 AWGX0.145		2
- 20	322888		• . RESISTOR,FXD,COMP- 100 OHMS P/M 5% 2W		1
- 21	322767		• TERMINAL BLOCK, 10 POSITION		1
- 22	2181007		• SCREW, SELF TAPPING, 6-32 X .625 LG.	ATT PT	2
- 23	363434		• MARKER STRIP- 10 POS NOS. 1 THRU 10		1
- 24	2100264		• RELIEF,CABLE STRAIN		3
- 25	2181005		• SCREW, SELF TAPPING, 6-32 X .375 LG.		3
- 26	56722		• WASHER-LOCK,EXT T, .150 ID		3
- 27	265059		• GROMMET,RUB-FOR 5/8 HOLE X 1/16 PNL		1
- 28	367115		• JUMPER-TERMINAL STRIP VDC DISTR BRS		2
- 29	138754		• LABEL,VOLTAGE WARNING		1
- 30	2207632		• BOX		1

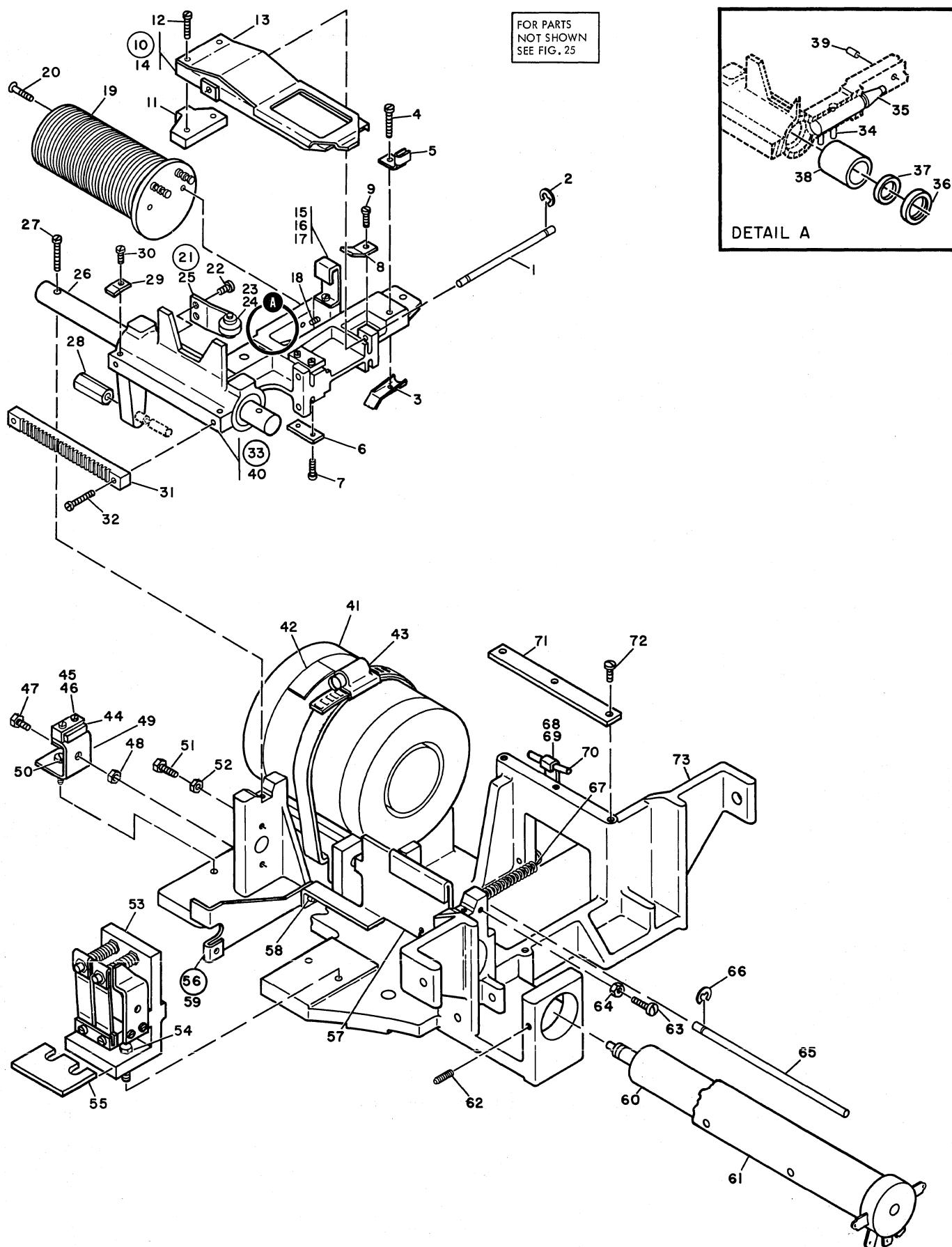


FIGURE 29. ACTUATOR ASSEMBLY. SEE LIST 29.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
29 -	2204028		ACTUATOR ASSEMBLY FOR ILLUSTRATION SEE FIGURE 29 FOR NEXT HIGHER ASM SEE LIST 25-52		REF
- 1	2199038		• PIN,PIVOT-HEAD LOAD	2	
- 2	251989		• RING, RETAINING 0.051 ID-1.40 OD-0.01 TH	4	
- 3	2219015		• CLAMP,LOWER HEAD ARM	1	
- 4	2219157		• SCREW,MACH-SOC HD CAP 4-40 X 0.625 LG	1	
- 5	2207603		• CLAMP CABLE	1	
- 6	2199042		• PLATE-HOLD DOWN HEAD	2	
- 7	2219156		• SCREW,MACH-BIND HD 4-40 X 0.250 LG	4	
- 8	2207543		• CLAMP-UPPER HEAD SST	1	
- 9	2219155		• SCREW,MACH-SOC HD CAP 4-40 X 0.312 LG	1	
- 10	2199014		• LOAD ASM,HEAD	2	
- 11	2199060		• FOLLOWER,CAM-HEAD LOAD	1	
- 12	2219158		• SCREW,MACH-BIND HD 4-40 X 0.125	2	
- 13	2199061		• SPRING,HEAD LOAD	1	
- 14	2199063		• SUPPORT,HEAD LOAD SPRING	1	
- 15	2199083		• CLIP,COIL LEAD-RAMKIT	1	
- 16	2219154		• SCREW,MACH-FIL HD 2-56 X 0.188 LG	1	
- 17	263217		• WASHER,LOCK-INT TEETH NO. 2 X 0.180 OD	1	
- 18	2207592		• SETSCREW,CRES,6-32 X 1/2 LG	2	
- 19	2199429		• COIL ASSEMBLY-VOICE PARTS OF THIS ASM ARE NOT REPLACEABLE	1	
- 20	2219036		• SCREW,MACH-FLAT HD 4-40 X 0.281 LG	2	
- 21	2219038		• BEARING ASSEMBLY,PRELOAD	1	
- 22	2199399		• SCREW,MACH-BIND HD 4-40 X 0.125 IN. LG	2	
- 23	2199498		• BEARING	1	
- 24	2219062		• PIN,STRAIGHT,RD,STEEL,0.1874 DIA X 1/2 1	1	
- 25	2204048		• SPRING,BEARING PRELOAD	1	
- 26	2207505		• RAIL	1	
- 27	2204069		• SCREW,MACH-HEX WASHER HD 4-40 X 0.625 LG	2	
- 28	2204043		• ACTUATOR,HOME SWITCH	1	
- 29	2204160		• SPRING,RACK MOUNT	1	
- 30	2219154		• SCREW,MACH-FIL HD 2-56 X 0.188 LG	1	
- 31	2204067		• DETENT	1	
- 32	2121379		• SCREW,MACH-BUTTON HD 6-32 X 1/4 LG	1	
- 33	2207531		• CARRIAGE ASSEMBLY	1	
- 34	2219159 □		• ROLL PIN,CARRAIGE ASSEMBLY	2	
- 35	2199163 □		• CAM,HEAD LOAD	1	
- 36	2199160 □		• RETAINER,WIPER	2	
- 37	2199161 □		• WIPER,FELT	2	
- 38	2199497 □		• BEARING,BALL	2	
- 39	2219160		• DOWEL PIN,CARRAIGE ASSEMBLY	1	
- 40	2207545 □		• HOUSING-LINEAR CARRIAGE	1	
- 41	2204000		• DRIVE MAGNET ASSEMBLY PARTS OF THIS ASM ARE NOT REPLACEABLE	1	
- 42	2219034		• LABEL-WARNING STRONG MAGNET	1	
- 43	5212727		• CLAMP,HOSE-NO 3	1	
- 44	2129508		• SWITCH,SENSITIVE- SPDT 20V DC 1 AMP	1	
- 45	438541		• SCREW,MACH-BIND HD 2-56 X 7/16 LG	2	
- 46	2121393		• BLOCK-SWITCH	1	
- 47	845		• SCREW,MACH-FIL H 8-32 X 1/2 LG	1	
- 48	257189		• NUT, HEX 8-32	1	
- 49	2204046		• BRACKET,HOME SWITCH	1	
- 50	186759		• SCREW,MACH-BIND HD 8-32 X 5/16 LG	1	
- 51	2219092		• SETSCREW,STEEL,10-32 X 3/4 LG	1	
- 52	11598		• NUT, HEX 10-32	1	
- 53	2204106		• DETENT ASSEMBLY PARTS OF THIS ASM ARE NOT REPLACEABLE	1	
- 54	2195400		• SCREW,SHLD-HEX HD 8/32	2	
- 55	2219035		• SPACER-DETENT MOUNT	1	
- 56	2219187		• PIVOT, HEADLOAD	1	
- 57	2219185		• PIVOT,ACTUATOR	1	
- 58	2219186		• PIN,HEAD LOAD ACTUATOR	1	
- 59	2219189		• LINK,ACTUATOR,PIVOT	1	
- 60	2207700		• TACHOMETER AND ROD ASM PARTS OF THIS ASM ARE NOT REPLACEABLE	1	
- 61	2204030		• SHIELD ASSEMBLY,TACHOMETER PARTS OF THIS ASM ARE NOT REPLACEABLE	1	
- 62	81404		• SETSCREW-SPLINE DR FP 8-32 X 1/4 LG	2	
- 63	2219092		• SETSCREW,STEEL,10-32 X 3/4 LG	1	
- 64	11598		• NUT, HEX 10-32	1	
- 65	2204009		• SHAFT,PIVOT	1	
- 66	1092125		• RING, RET 0.145 ID-0.335 OD-0.025 THICK	1	
- 67	2204013		• SPRING,EXTENSION-HEAD LOAD PIVOT	1	
- 68	2204050		• CLAMP, CABLE 1.75 LONG	1	
- 69	5350006		• SCREW, SELF TAPPING, 6-32 X .250 LONG	1	
- 70	116875		• INSULATION TUBE- 0.166 ID X 0.186 OD	2	
- 71	2204040		• SLIDE,CARRIAGE	1	
- 72	5700484		• SCREW, SELF TAPPING, 4-40 X .375 LG.	3	
- 73	2207546		• BASE-MOUNTING ACTUATOR	1	

FOR PARTS
NOT SHOWN
SEE FIG. 25

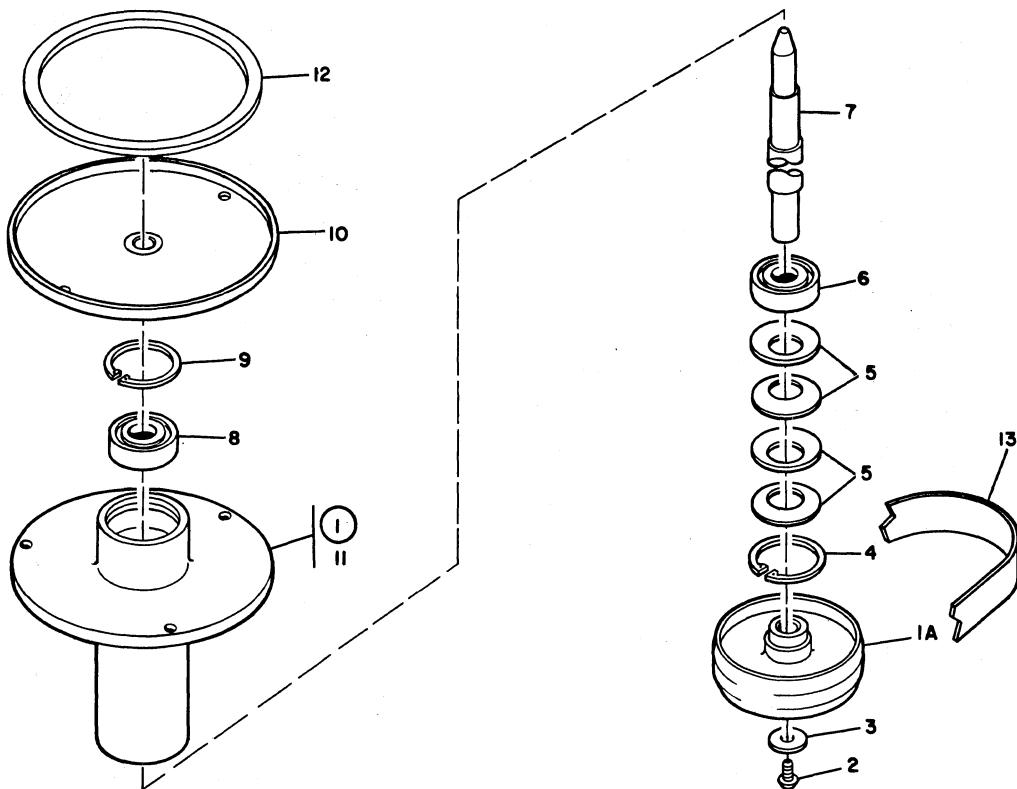


FIGURE 30. SPINDLE AND MAGNETIC CHUCK ASSEMBLY. SEE LIST 30.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			SPINDLE AND MAGNETIC CHUCK ASSEMBLY		
30 -	2207714		SPINDLE ASM, MAGNET AND FOR ILLUSTRATION SEE FIGURE 30 FOR NEXT HIGHER ASM SEE LIST 25-69	REF	
- 1	2207713		SPINDLE ASM		
- 1A	2199332 □		PULLEY, DRIVEN		
- 2	2181004 □		SCREW, THREAD FORMING-HEX WASHER HD	ATT PT	1
- 3	139050 □		WASHER-MOUNTING .012 D.D.	ATT PT	1
- 4	2207710 □		RING, SNAP HOUSING BORE 1.378 IN		1
- 5	2199329 □		SPRING, WASHER TYPE-1.362 OD-0.882 ID		4
- 6	2207717 □		BEARING, ANNULAR BALL		1
- 7	2207708 □		SHAFT		1
- 8	2207717 □		BEARING, ANNULAR BALL		1
- 9	2207710 □		RING, SNAP HOUSING BORE 1.378 IN		1
- 10	2207709 □		POLE ASSEMBLY, MAGNETIC CHUCK PARTS OF THIS ASM ARE NOT REPLACEABLE		1
- 11	2207707 □		HOUSING		1
- 12	2207715		MAGNET		1
			PARTS NOT INCLUDED WITH ASSEMBLY		
- 13	2199173		BELT, FLAT-FILE DRIVE		1

FOR PARTS
NOT SHOWN
SEE FIG. 25

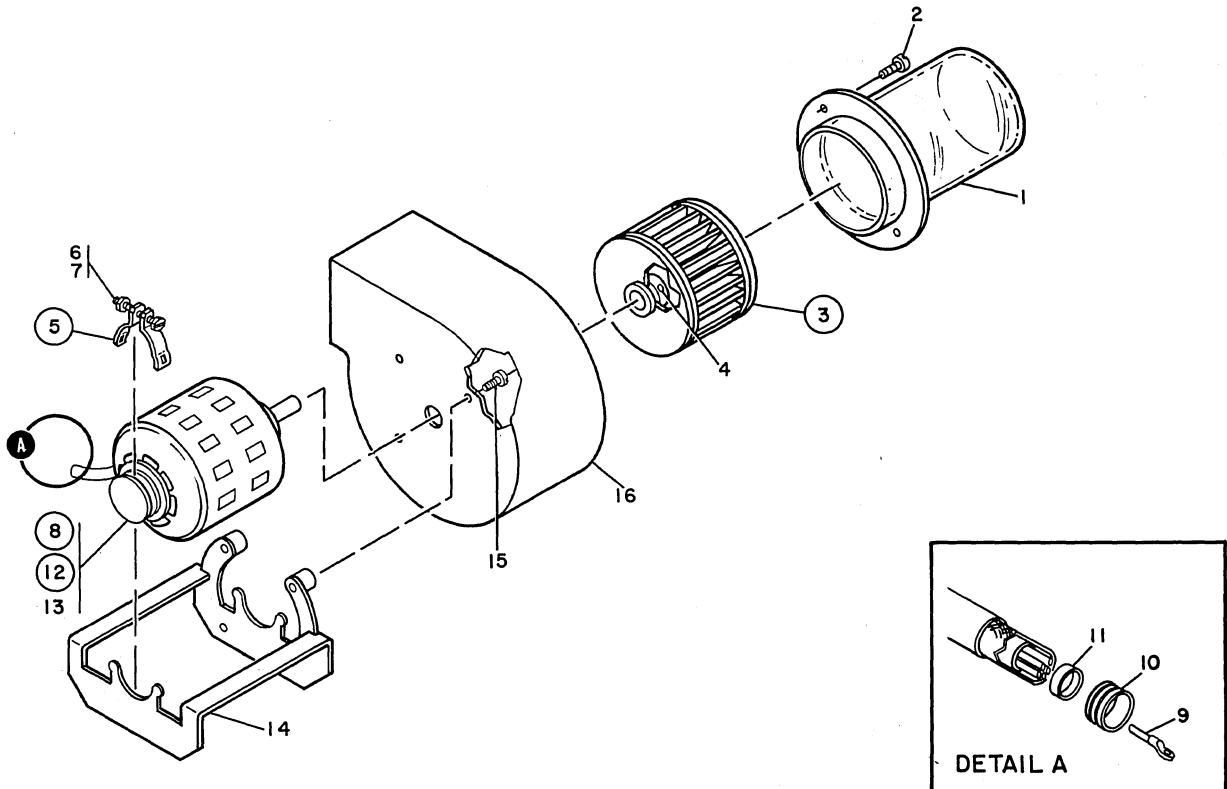


FIGURE 31. BLOWER ASSEMBLY. SEE LIST 31.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
				REF	REF
			BLOWER ASSEMBLY		
31 -	2204138		BLOWER ASSEMBLY-115V 60 CYCLE		
-	2204139		BLOWER ASSEMBLY-220V 50 CYCLE		
			FOR ILLUSTRATION SEE FIGURE 31		
			FOR NEXT HIGHER ASM SEE LIST 25-85		
- 1	2204167		• TUBE, TRANSITION		1
- 2	67873		• SCREW, THD CTG-BIND HD NO. 4 X 3/16 LG	ATT PT	3
- 3	2204142		• IMPELLER	415410H	1
- 4	176246		• • SETSCREW-SPLINE DR CUP PT 10-32 X 1/4 LG	ATT PT	1
- 5	2122113		• • LATCH ASM, MOUNT, MOTOR		2
- 6	251283		• • SCREW, MACH-FIL H 4-40 X 3/4 LG		1
- 7	257187		• • NUT, HEX 6-32 NC		1
- 8	2204144		• • MOTOR ASSEMBLY- 60 CYCLE 115V		1
- 8	2204143		• • MOTOR ASSEMBLY- 50/60 CYCLE 220V		1
- 9	334921		• • TERMINAL-LUG NO.22 THRU NO.18 WIRE INSUL		5
- 10	2204083		• • FERRULE, OUTER		1
- 11	2204082		• • FERRULE, INNER		1
- 12	2204133		• • MOTOR- 60 CYCLE 115V		1
- 12	2204136		• • MOTOR- 50/60 CYCLE 220V		1
- 13	2204165		• • • RELAY ASM, MOTOR START-230V 50 CYCLE		1
			PARTS OF THIS ASM ARE NOT REPLACEABLE		
- 14	2204135		• • BRACKET ASSEMBLY		1
- 15	322550		• • SCREW, MACH-BIND HD 6-32 X 1/2 LG	ATT PT	4
			PARTS OF THIS ASM ARE NOT REPLACEABLE		
- 16	2204001		• • SCROLL, BLOWER		1

FOR PARTS
NOT SHOWN
SEE FIG. 25

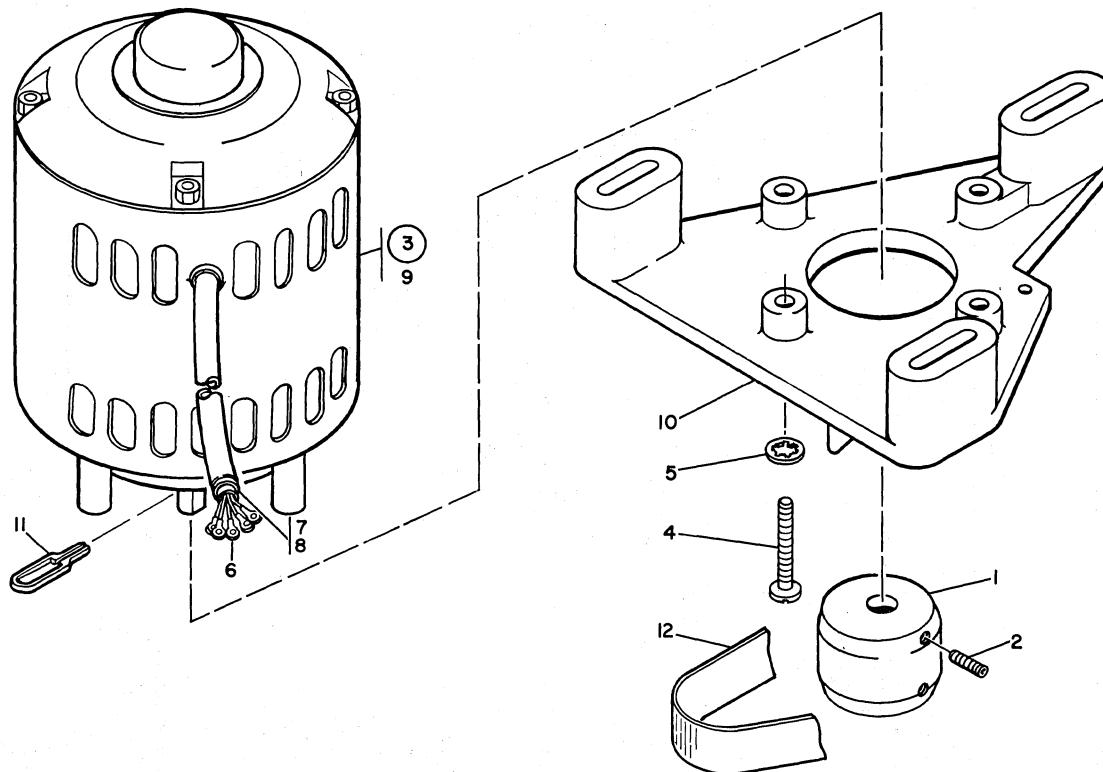


FIGURE 32. DRIVE MOTOR ASSEMBLY. SEE LIST 32.

LIST AND INDEX NO.	PART NO.	1 2 3 4 DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
		DRIVE MOTOR ASSEMBLY		
32 -	2199377	MOTOR ASM, DRIVE-115 VOLT 60 CYCLE	REF	
-	2199386	MOTOR ASM, DRIVE-220 VOLT 50 CYCLE FOR ILLUSTRATION SEE FIGURE 32 FOR NEXT HIGHER ASM SEE LIST 25-92	REF	
- 1	2204176	PULLEY, 60 CYCLE	1	
- 1	2199255	PULLEY, 50 CYC	1	
- 2	79842	SETScrew-SPLINE DR CUP PT 8-32 X 3/8 LG	2	
- 3	2204117	MOTOR ASM, 115V AC 60 CYCLE	1	
- 3	2204118	MOTOR ASM, 220V AC 50 CYCLE	1	
- 4	5528	SCREW, MACH BIND HD 8-32 X .625 LG USED ON 60 CYCLE ONLY	4	
- 4	10295	SCREW, MACH-BIND HD 10-32 X 1-1/8 LG USED ON 50 CYCLE ONLY	4	
- 5	60646	WASHER, LOCK-INT TEETH NO. 8 X 0.340 OD USED ON 60 CYCLE ONLY	4	
- 5	56121	WASHER, LOCK-INT TEETH NO. 10 X 0.381 OD USED ON 50 CYCLE ONLY	4	
- 6	334921	TERMINAL-LUG NO.22 THRU NO.18 WIRE INSUL	5	
- 7	2204083	FERRULE, OUTER	1	
- 8	2204082	FERRULE, INNER	1	
- 9	2199128	MOTOR, DRIVE-115V 50 CYC	1	
- 9	2199258	MOTOR, DRIVE - 220 V 50 CYC	1	
- 10	2199401	PLATE, MOTOR MT-115/220 VOLTS 60 CYCLE	1	
- 10	2199402	PLATE, MOTOR MT-220 VOLT 50 CYCLE	1	
		PARTS NOT INCLUDED WITH THIS ASSEMBLY		
- 11	2204025	OILER, MOTOR 50 CYCLE	1	
- 12	2199173	BELT, FLAT-FILE DRIVE	1	

FOR PARTS
NOT SHOWN
SEE FIG. 4

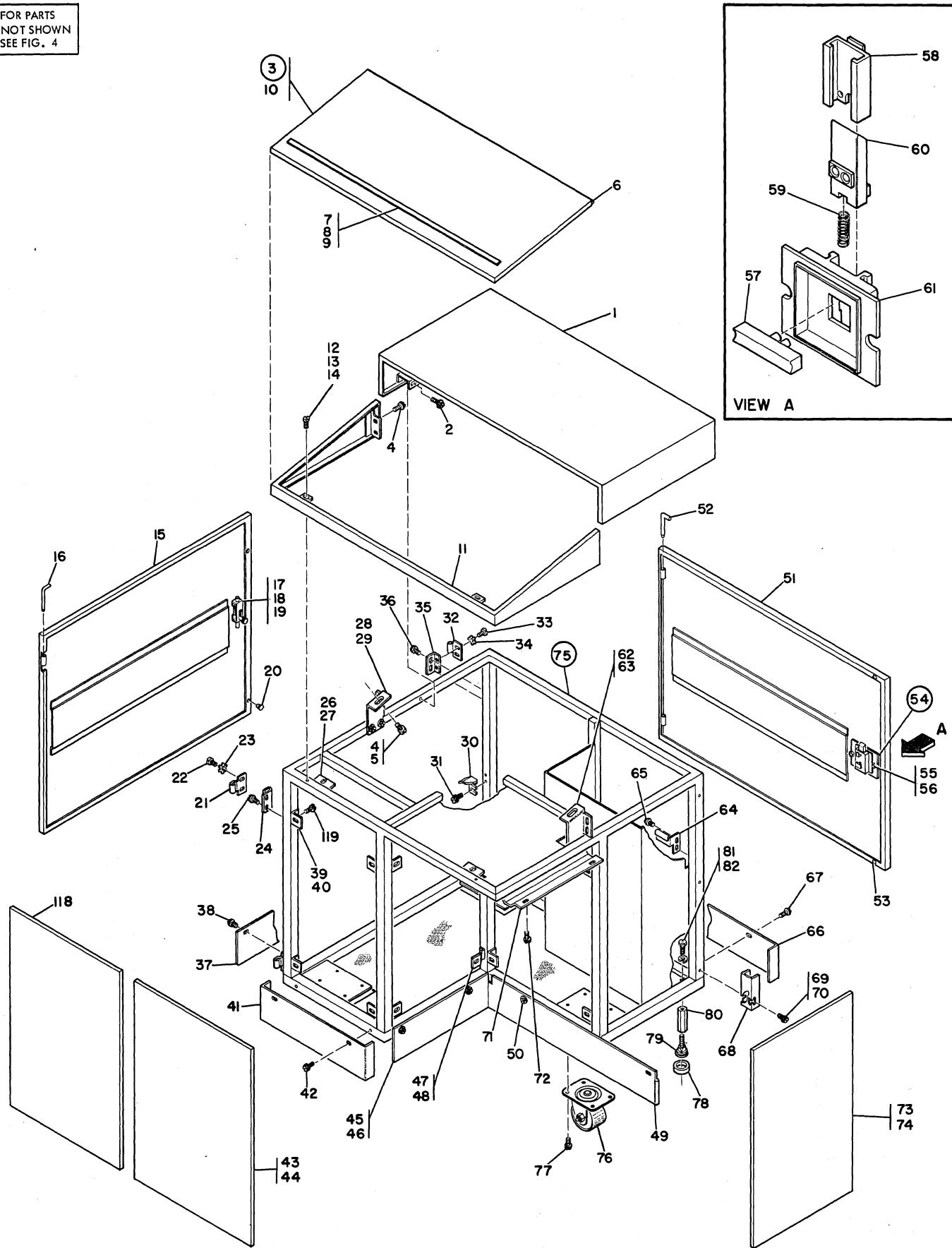


FIGURE 33. EXPANDED MEMORY GROUP. SHEET 1 OF 2, INDEX NOS. 1-82 AND 118-119. SEE LIST 33.

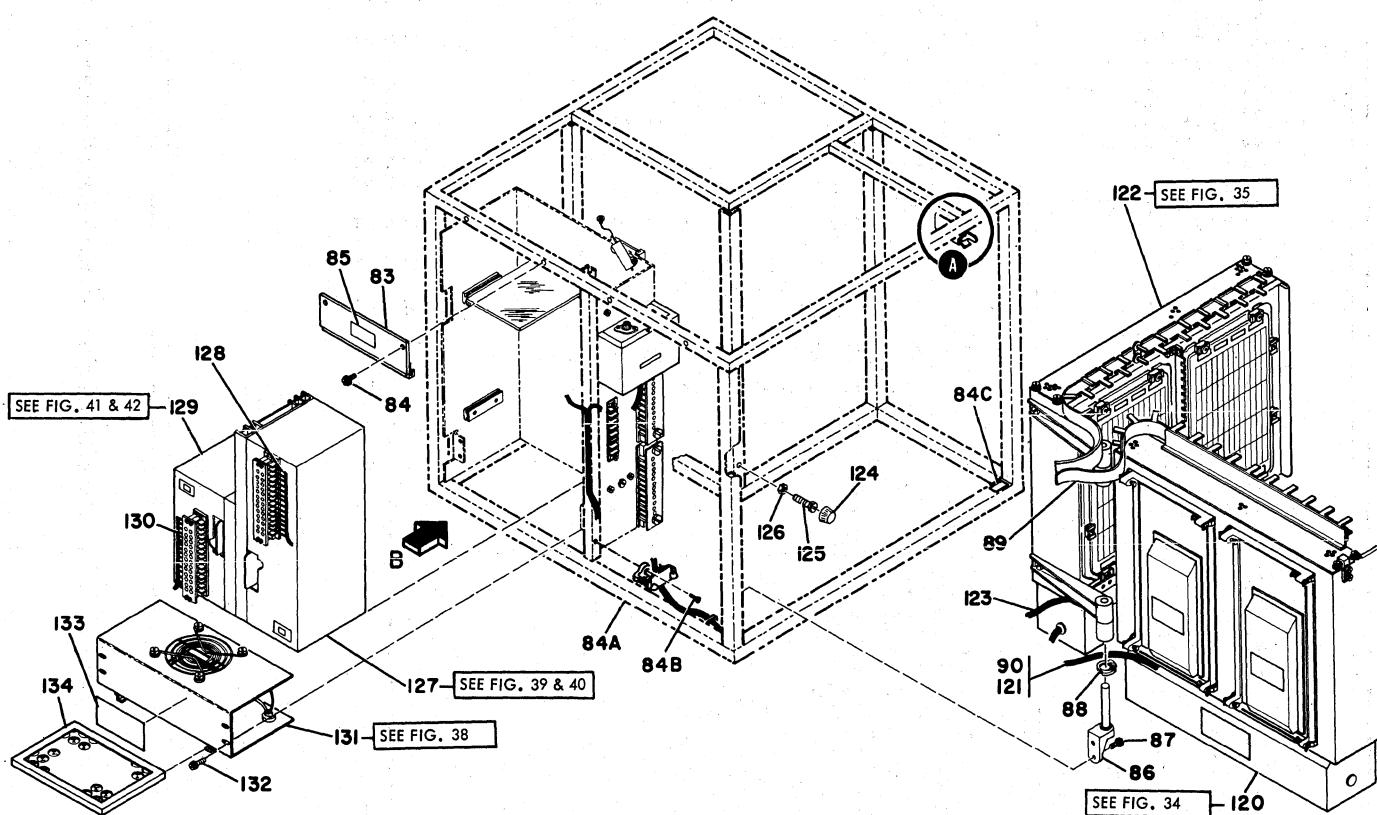
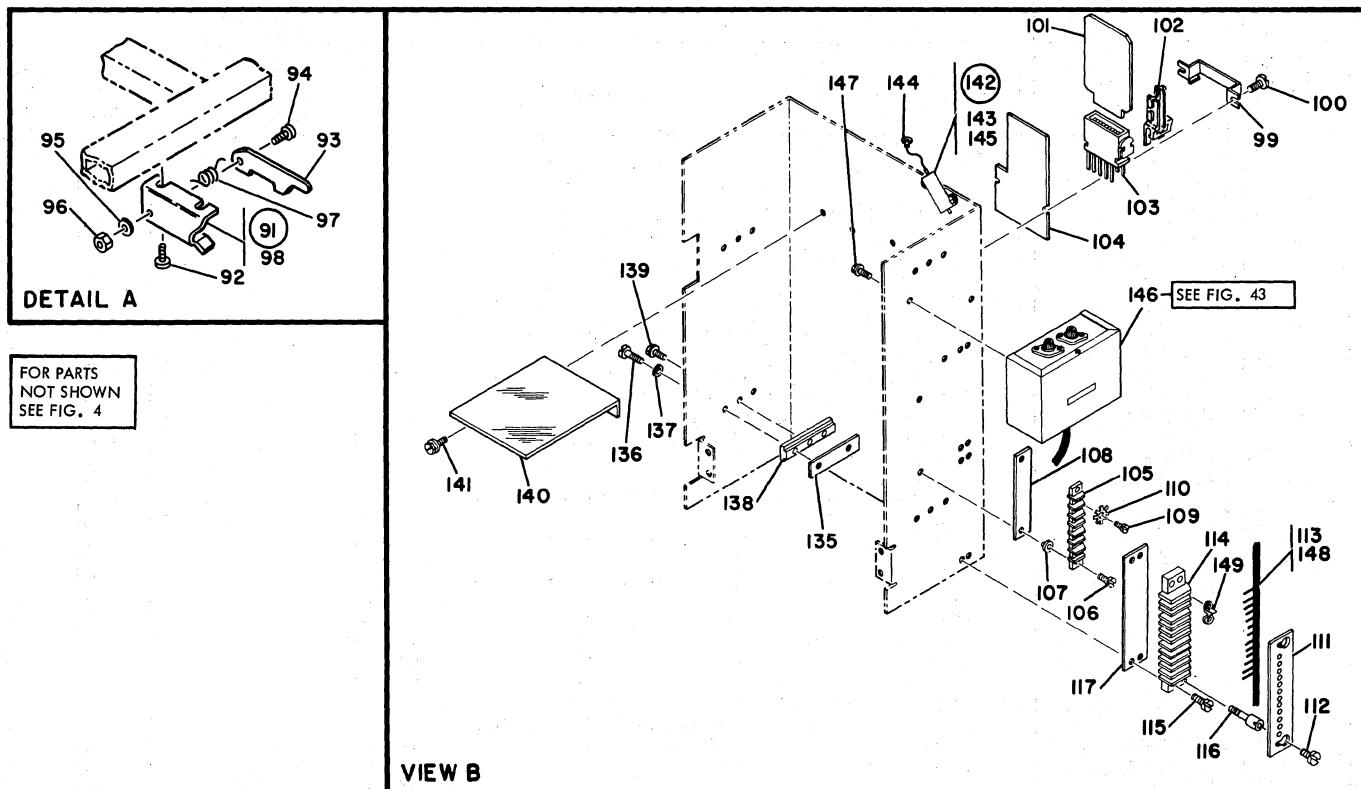


FIGURE 33. EXPANDED MEMORY GROUP. SHEET 2 OF 2, INDEX NOS. 83-117 AND 120-149. SEE LIST 33.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE			
				ATT PT	ATT PT			
EXPANDED MEMORY GROUP								
CODE A USED ON 60 CYCLE ONLY								
CODE B USED ON 50 CYCLE ONLY								
CODE C USED ON 32K ONLY								
-	2243300	NP	EXPANDED MEMORY GROUP FOR ILLUSTRATION SEE FIGURE 33	ATT PT	NP			
- 1	2243116		• COVER, TOP REAR		1			
- 2	2181004		• SCREW, THREAD FORMING-HEX WASHER HD	ATT PT	4			
- 3	2243120		• TABLE TOP ASM, EXPANDED MEMORY		1			
- 4	32042		• SCREW, MACH BIND. HD 10-32 X 3/8 LG.	ATT PT	4			
- 5	56079		• WASHER-LOCK, EXT T .204 ID .410 OD	ATT PT	4			
- 6	2243121		• SEAL		1			
- 7	2243122		• BAR ASM		1			
- 8	257189		• PARTS OF THIS ASM ARE NOT REPLACEABLE					
- 9	55901		• NUT, HEX 8-32	ATT PT	3			
- 10	2243119		• WASHER, LOCK, EXT TEETH - .176 DIA	ATT PT	3			
- 11	2243117		• TABLE TOP		1			
- 12	32042		• PARTS OF THIS ASM ARE NOT REPLACEABLE					
- 12	2181004		• SCREW, MACH BIND. HD 10-32 X 3/8 LG.	ATT PT	4			
- 13	56079		• SCREW, THREAD FORMING-HEX WASHER HD	ATT PT	4			
- 14	11598		• WASHER-LOCK, EXT T .204 ID .410 OD	ATT PT	4			
- 15	2243110		• NUT, HEX 10-32	ATT PT	4			
- 16	2190586		• COVER, HINGED LEFT SIDE					
- 17	528014		• PARTS OF THIS ASM ARE NOT REPLACEABLE					
- 18	528013		• PIN, HINGE	ATT PT	2			
- 19	528012		• PIN-LATCH		1			
- 20	1108505		• STUD-LATCH	ATT PT	1			
- 21	2190583		• SPRING, HELICAL, COMPR		1			
- 22	34512		• BUMPER		2			
- 23	55901		• HINGE, COVER		2			
- 24	2243102		• SCREW, MACH-BIND HD 8-32 X 3/8 LG	ATT PT	4			
- 25	2181004		• WASHER, LOCK, EXT TEETH - .176 DIA	ATT PT	4			
- 26	2243118		• BRACKET, HINGE MTG		2			
- 27	2181004		• SCREW, THREAD FORMING-HEX WASHER HD	ATT PT	4			
- 28	2243115		• BRACKET		2			
- 29	2181004		• SCREW, THREAD FORMING-HEX WASHER HD	ATT PT	4			
- 30	2190861		• BRACKET, LATCH-RIGHT END COVER		1			
- 31	2181004		• SCREW, THREAD FORMING-HEX WASHER HD	ATT PT	2			
- 32	2190583		• HINGE, COVER		2			
- 33	34512		• SCREW, MACH-BIND HD 8-32 X 3/8 LG	ATT PT	4			
- 34	55901		• WASHER, LOCK, EXT TEETH - .176 DIA	ATT PT	4			
- 35	2190585		• BRACKET, HINGE COVER		2			
- 36	2181004		• SCREW, THREAD FORMING-HEX WASHER HD	ATT PT	4			
- 37	2190620		• KICKSTRIP, LEFT SIDE		1			
- 38	159494		• SCREW, BIND HD, 10-32 X 1/4 LG	ATT PT	3			
- 39	2190579		• BRACKET, COVER LEFT FRONT		10			
- 40	2181004		• SCREW, THREAD FORMING-HEX WASHER HD	ATT PT	10			
- 41	2243190		• KICKSTRIP, LEFT FRONT		1			
- 42	159494		• SCREW, BIND HD, 10-32 X 1/4 LG	ATT PT	2			
- 43	2243108		• COVER, RIGHT FRONT		1			
- 44	2181004		• SCREW, THREAD FORMING-HEX WASHER HD	ATT PT	4			
- 45	2243189		• KICKSTRIP, RIGHT SIDE		1			
- 46	159494		• SCREW, BIND HD, 10-32 X 1/4 LG	ATT PT	2			
- 47	2243103		• BRACKET		2			
- 48	2181004		• SCREW, THREAD FORMING-HEX WASHER HD	ATT PT	4			
- 49	2243191		• KICKSTRIP, RIGHT FRONT		1			
- 50	159494		• SCREW, BIND HD, 10-32 X 1/4 LG	ATT PT	2			
- 51	2243111		• COVER ASM, REAR		1			
- 52	2190586		• PARTS OF THIS ASM ARE NOT REPLACEABLE					
- 53	1108505		• PIN, HINGE	ATT PT	2			
- 54	2191006		• BUMPER		2			
- 54	2191014		• LATCH ASM, DOMESTIC		1			
- 55	257189		• LATCH ASM, WTC		1			
- 56	183841		• NUT, HEX 8-32		2			
- 57	2190974		• WASHER-SPRING		2			
- 58	2190973		• HANDLE, LATCH		1			
- 59	2191007		• RETAINER, LATCH		1			
- 60	2190972		• SPRING-COMPRESSION		1			
- 61	2190971		• BOLT, LATCH		1			
- 62	2243114		• HOUSING, LATCH		1			
- 63	2181004		• BRACKET, RT		1			
			• SCREW, THREAD FORMING-HEX WASHER HD	ATT PT	2			

LIST AND INDEX NO.	PART NO.	DESCRIPTION				UNITS PER ASM.	USABLE ON CODE
		1	2	3	4		
EXPANDED MEMORY GROUP -CONT							
33 - 64	2191028						
- 65	2181004	• CATCH, BRACKET LATCH				1	
- 66	2243192	• SCREW, THREAD FORMING-HEX WASHER HD	ATT PT			2	
- 67	159494	• KICKSTRIP, REAR				1	
- 68	2243124	• SCREW, BIND HD, 10-32 X 1/4 LG	ATT PT			3	
- 69	2181004	• COUPLER, REAR				1	
- 70	45690	• SCREW, THREAD FORMING-HEX WASHER HD	ATT PT			6	
- 71	2243125	• WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	ATT PT			3	
- 72	2181004	• COUPLER, FRONT				1	
- 73	2243109	• SCREW, THREAD FORMING-HEX WASHER HD	ATT PT			4	
- 74	2181004	• COVER, RIGHT SIDE				1	
- 75	2243101	• SCREW, THREAD FORMING-HEX WASHER HD	ATT PT			4	
- 76	513271	• FRAME ASM, EXPANDED MEMORY				1	
- 77	5353301	• • CASTER, SWIVEL- 3 IN. WHL W/MTG PLATE				4	
- 78	2162666	• • SCREW-THREAD FORMING, HEX. WASHER HEAD	ATT PT			16	
- 79	2191786	• CUP				4	
- 80	2243123	• BOLT-SQUARE NECK, 1/2-13 X 2 LG				4	
- 81	93178	• SPACER NUT, HEX 1.0 X 2.44,.500-13UNC				4	
- 82	130987	• SCREW, CAP-SLOT HD, 1/13 X 3/4 LG	ATT PT			4	
- 83	2243155	• WASHER, LOCK-SPLIT 0.509 ID X 0.879 OD	ATT PT			4	
- 84	2181004	• SUPPORT ASM, CABLE				2	
- 84A	523250	• PARTS OF THIS ASM ARE NOT REPLACEABLE					
- 84B	336657	• SCREW, THREAD FORMING-HEX WASHER HD	ATT PT			4	
- 84C	124943	• CLAMP-ADJUSTABLE CABLE				2	
- 85	369207	• SCREW, MACHINE	ATT PT			2	
- 86	2243150	• LABEL-HAZARDOUS AREA				1	
- 87	5353301	• LABEL-VOLTAGE				1	
- 88	2243090	• HINGE AND PIN ASM, GATE				2	
- 89	2243170	• PARTS OF THIS ASM ARE NOT REPLACEABLE				1	
- 90	2243165	• SCREW-THREAD FORMING, HEX. WASHER HEAD	ATT PT			4	
- 91	2178626	• STOP, GATE				2	
- 92	2181004	• CABLE ASM, 20 SIG				2	
- 93	2178625	• FOR COMPONENT PARTS SEE LIST 44-75				1	
- 94	5677	76, 77 AND 78				1	
- 95	2125974	• CABLE ASM, DC DIST. TO GATE D				1	
- 96	11598	• FOR COMPONENT PARTS SEE LIST 44-1				1	
- 97	2157668	2A, 3 AND 23				1	
- 98	2178624	• LATCH ASM, GATE				1	
- 99	2197379	• SCREW, THREAD FORMING-HEX WASHER HD	ATT PT			1	
-100	38235	• • LATCH, GATE				1	
-101	374744	• • SCREW, MACH-BIND HD 10-32 X 3/4 LG				1	
-102	216206	• • WASHER, INT TOOTH, .200 ID X .562 OD	ATT PT			1	
-103	216076	• • NUT, HEX 10-32	ATT PT			1	
-104	2243145	• • SPRING				1	
-105	2162453	• • STRIKER-GATE LATCH				1	
-106	731627	• • BRACKET, RECT-SUPPORT				1	
-107	596211	• • SCREW, BIND HD 6-32 X .312 LONG	ATT PT			2	
-108	2195919	• • CARD ASM TSTR, LOGIC VOLTAGE SENSE				2	
-109	221790	• PARTS OF THIS ASM ARE NOT REPLACEABLE				1	
-110	55901	• • GUIDE-SINGLE CARD LONG				1	
-111	352826	• • TERMINAL BLOCK AND CONTACT ASSEMBLY				1	
-112	1127733	• • FOR COMPONENT PARTS SEE LIST 44-64				1	
-113	2243156	• • INSULATOR				1	
-114	323842	• • BAR, BUS				1	
-115	2181071	• • SCREW, PAN HEAD, 6-32 X .75 LONG	ATT PT			2	
-116	210883	• • SPACER-LAMINATED BUS BLOCK				2	
-117	589814	• • INSULATOR, GROUND BLOCK				1	
-118	2243104	• • SCREW, MACH-BIND HD 8-32 X 3/16 LG				7	
-118	2243105	• • WASHER, LOCK, EXT TEETH - .176 DIA				7	
-118	2243106	• • COVER TERMINAL				2	
-118	2243107	• • SCREW, MACH-SLTD HD 6-32 X 1/4 LG	ATT PT			4	
-119	2181004	• • CABLE ASM, AC DIST. CPU TO TBI				1	
-119	2181004	• • FOR COMPONENT PARTS SEE LIST 44-2A, 2C, 3				1	
-119	2181004	• • TERMINAL BLOCK, 12 POSITION				2	
-119	2181004	• • SCREW-BD MTG	ATT PT			4	
-119	2181004	• • STUD, EXT 6-32 X 1/2 INT 6-32 X 0.19 DP	ATT PT			4	
-119	2181004	• • MARKER STRIP, 12 POS NOS 1 THRU 12				2	
THE FOLLOWING PARTS ARE FEATURES ONLY							
-118	2243104	COVER, LEFT FRONT, GRAY				1	
-118	2243105	COVER, LEFT FRONT, RED				1	
-118	2243106	COVER, LEFT FRONT, BLUE				1	
-118	2243107	COVER, LEFT FRONT, YELLOW				1	
-119	2181004	SCREW, THREAD FORMING-HEX WASHER HD	ATT PT			4	

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			EXPANDED MEMORY GROUP -CONT		
33 -120	2243140		D GATE ASM,ONE BOARD,60 CYCLE	1	A
-120	2243141		D GATE ASM,ONE BOARD,50 CYCLE USED CN 8K ONLY	1	B
-120	2243138		D GATE ASM,TWO BOARD,60 CYCLE	1	A
-120	2243139		D GATE ASM,TWO BOARD,50 CYCLE USED CN 16K AND 32K ONLY FOR DETAIL BREAKDOWN SEE LIST 34	1	B
-121	2243167		CABLE ASM, SPECIAL DC TO GATE D FOR COMPONENT PARTS SEE LIST 44-2A,3	1	
-122	2243142		E GATE ASM,TWO BOARD,60 CYCLE	1	A
-122	2243143		E GATE ASM,TWO BOARD,50 CYCLE USED ON 32K ONLY	1	B
-123	2243166		FOR DETAIL BREAKDOWN SEE LIST 35		
-123	2243168		CABLE ASM, DC DIST. TO GATE E CABLE ASM,SPECIAL DC TO E GATE FOR COMPONENT PARTS SEE LIST 44-2A,3	1	
-124	333064		BUMPER,RUBBER	1	C
-125	36112		SCREW,MACH-HEX HD 1/4-20 X 1-1/2 LG	1	C
-126	36109		NUT,PLAIN,HEX- 1/4-20 X 7/16 FL W	1	C
-127	5709440		POWER SUPPLY ASM,9-12VDC 10A-60CPS	1	A
-127	5709480		POWER SUPPLY ASM,9-12VDC 10A-50CPS USED W/MIDPACK 2.2 MICROSEC ONLY FOR DETAIL BREAKDOWN SEE LIST 39	1	B
-127	5239409		POWER SUPPLY ASM,6V AT 12AMPS-60CYCLE	1	A
-127	5239427		POWER SUPPLY ASM,6V AT 12AMPS-50CYCLE USED W/16K + 32K MED POWER SUPPLY ONLY FOR DETAIL BREAKDOWN SEE LIST 40	1	B
-128	2243160		CABLE ASM, PRIMARY AC TO P/S 7 FOR COMPONENT PARTS SEE LIST 44-1 AND 2C	1	
-128	2243164		CABLE ASM, VZ TRACKING, P/S 7 TO GATE D FOR COMPONENT PARTS SEE LIST 44-2C,9A,47	1	
-128	2243601		USED W/MIDPACK SUPPLY CABLE ASM, P/S 7 TO TB 2 FOR COMPONENT PARTS SEE LIST 44-2A	1	
-129	5709430		USED W/MEDIUM POWER SUPPLY POWER SUPPLY ASSEMBLY 15V 2.5A 60 CYCLE	1	A
-129	5709470		POWER SUPPLY ASSEMBLY 15V 2.5A 50 CYCLE USED W/MIDPACK 2.2 FOR DETAIL BREAKDOWN SEE LIST 41	1	B
-129	5239400		POWER SUPPLY ASM,3 AT 4AMPS-60 CYCLE	1	A
-129	5239418		POWER SUPPLY ASM,3V AT 4AMPS-50 CYCLE USED W/32K + 3.6 MED POWER SUPPLY ONLY FOR DETAIL BREAKDOWN SEE LIST 42	1	B
-130	2243159		CABLE ASM, PRIMARY AC TO P/S 8 FOR COMPONENT PARTS SEE LIST 44-1,2C	1	
-130	2243158		CABLE ASM, P/S 8 TO TB2 FOR COMPONENT PARTS SEE LIST 44-2A USED W/MEDIUM POWER SUPPLY ONLY	1	
-130	2243602		CABLE ASM, PS8 TO BL TB2 FOR COMPONENT PARTS SEE LIST 44-2A USED W/MEDIUM POWER SUPPLY ONLY	1	
-131	2243172		BLOWER ASM,60 CYCLE	1	A
-131	2243173		BLOWER ASM,50 CYCLE FOR DETAIL BREAKDOWN SEE LIST 38	1	B
-132	2181004		SCREW,THREAD FORMING-HEX WASHER HD	ATT PT	4
-133	369208		DECAL,INST-HAZARDOUS AREA		1
-134	5357064		FILTER,AIR,8.30 X 5.91		1
-135	2193933		INNER RAIL,POWER SUPPLY MOUNTING		AR
-136	101706		SCREW,MACH-HEX HD 10-32 X 3/4 LG	ATT PT	AR
-137	2125974		WASHER, INT TOOTH, .200 ID X .562 OD	ATT PT	AR
-138	2193932		OUTER RAIL,POWER SUPPLY MOUNTING		AR
-139	2181004		SCREW,THREAD FORMING-HEX WASHER HD	ATT PT	AR
-140	2159711		SHIELD, POWER SUPPLY		1
-141	2181004		SCREW,THREAD FORMING-HEX WASHER HD	ATT PT	2
-142	2243231		RESISTOR ASM,4.0 OHMS 50 WATTS		1
-143	251970		SCREW-MACH BD. HD. 4-40 X 1/4 LG	ATT PT	2
-144	360370		• TERMINAL-RING TONGUE NO.14-16 WIRE		2
-145	2194889		• RESISTOR, WIREWOUND,4.0 OHMS 50 WATTS		1
-146	2243147		SEQUENCE BOX ASM, USED W/MIDPACK 2.2 MICROSEC		1
-146	2243603		SEQUENCE BOX ASM, USED W/MIDPACK 3.6 MICROSEC		1
-146	2243361		SEQUENCE BOX ASM, USED W/MEDIUM POWER SUPPLY FOR DETAIL BREAKDOWN SEE LIST 43		1
-147	5350012		SCREW, THD FORMING HEX WSR HD 8-32 X .25	ATT PT	2
-148	2243157		CABLE ASM, DC DIST. CPU TO TB2 USED W/MIDPACKS ONLY		1
-148	2243605		FOR COMPONENT PARTS SEE LIST 44-2A AND 3 CABLE ASM, DC DIST, CPU TO TB 2 USED W/MEDIUM POWER SUPPLIES ONLY FOR COMPONENT PARTS SEE LIST 44-2A AND 3		1
-149	367115		JUMPER-TERMINAL STRIP VDC DISTR BRS		3

FOR PARTS
NOT SHOWN
SEE FIG. 33

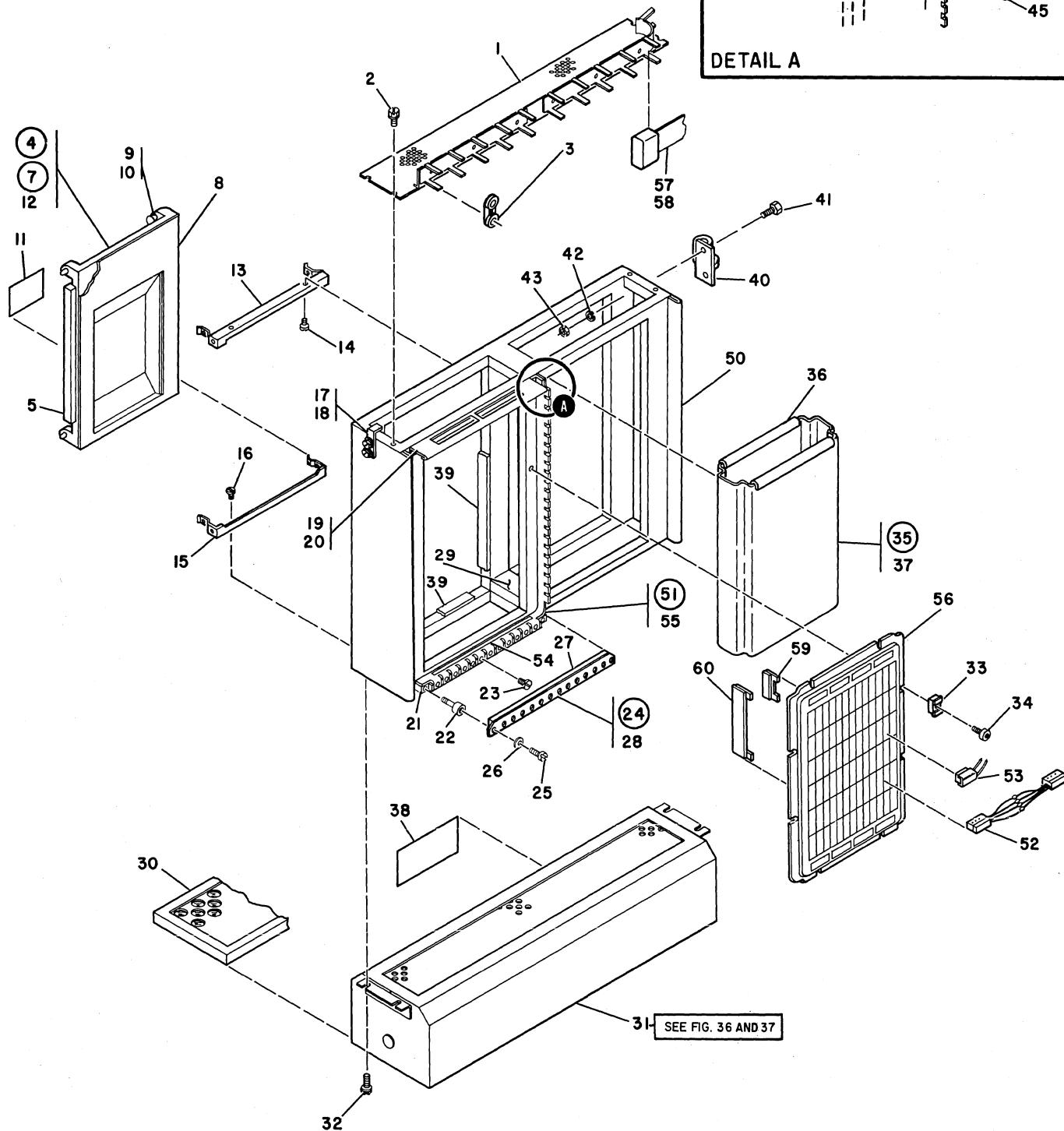


FIGURE 34. D GATE ASSEMBLY. SEE LIST 34.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			D GATE ASSEMBLY		
34 -	2243138		D GATE ASM, TWO BOARD, 60 CYCLE	REF	A
-	2243139		D GATE ASM, TWO BOARD, 50 CYCLE	REF	B
-	2243140		USED ON 16K AND 32K ONLY		
-	2243141		D GATE ASM, ONE BOARD, 60 CYCLE	REF	A
			D GATE ASM, ONE BOARD, 50 CYCLE	REF	B
			USED ON 8K ONLY		
			FOR ILLUSTRATION SEE FIGURE 3J		
			FOR NEXT HIGHER ASM SEE LIST 33-120		
- 1	2243136		• COVER ASM, D GATE TOP	1	
			PARTS OF THIS ASM ARE NOT REPLACEABLE		
- 2	5350012		• SCREW, THD FORMING HEX WSR HD 8-32 X .25	ATT PT	4
- 3	811427		• RETAINER		AR
- 4	2243135		• COVER ASM, CARD		AR
- 5	2243197		• . . SEAL, .25X-.25X AS REQUIRED		AR
- 7	2190824		• . . COVER ASM, MEMORY		AR
- 8	2190834		• . . BACKING, FOAM		1
- 9	815963		• . . CATCH-PULL		4
- 10	815964		• . . CATCH		4
- 11	2191096		• . . PLATE, INSTRUCTION-MEMORY DECAL		1
- 12	2190808		• . . COVER, MEMORY CARD		1
- 13	811853		• BRACKET-HINGE		AR
- 14	734483		• SCREW, PAN HD- 6-32 X 0.380 LG	ATT PT	AR
- 15	2190819		• BRACKET, STORAGE-LOWER HINGE CBM		AR
- 16	734483		• SCREW, PAN HD- 6-32 X 0.380 LG	ATT PT	AR
- 17	2178627		• BRACKET-LATCH		1
- 18	5319854		• SCREW, SELF TAPPING, 8-32 X .375 LONG	ATT PT	2
- 19	2243091		• GUARD		AR
- 20	236849		• SCREW, MACH-BIND HD 10-32 X 1/4 LG	ATT PT	AR
- 21	811476		• TERMINAL BLOCK, 12 POSITION		1
- 22	811536		• STANDOFF	ATT PT	2
- 23	811481		• SCREW, MACH- 6-32 X 1/4 LG	ATT PT	12
- 24	811556		• SHIELD ASM, INSULATOR AND - 12 POS		1
- 25	10170		• SCREW-MACH, BIND HD NO. 6-32 X .250 LG	ATT PT	2
- 26	22478		• WASHER, FL- 0.170 ID 0.375 OD 0.032 THK	ATT PT	2
- 27	811555		• . . SEAL		1
- 28	811534		• . . SHIELD, 12 POSITION		1
- 29	2197310		• FOAM, AIR BLOCK, 1.25 X 1.38 X 3.12 LG		3
			USED ON ASM 2243139 ONLY		
- 30	2243128		• FILTER, AIR-4.88 X 18.50 INCHES		1
- 31	2243129		• BLOWER ASM, TWO FAN, 60 CYCLE		1
- 31	2243131		USED ON ASM 2243138 ONLY		
			• BLOWER ASM, ONE FAN, 60 CYCLE		1
			USED ON ASM 2243140 ONLY		
			FOR DETAIL BREAKDOWN SEE LIST 36		
- 31	2243130		• BLOWER ASM, TWO FAN, 50 CYCLE		1
			USED ON ASM 2243139 ONLY		
- 31	2243132		• BLOWER ASM, ONE FAN, 50 CYCLE		1
			USED ON ASM 2243141 ONLY		
			FOR DETAIL BREAKDOWN SEE LIST 37		
- 32	5350012		• SCREW, THD FORMING HEX WSR HD 8-32 X .25	ATT PT	4
- 33	813179		• CLAMP-BOARD		AR
- 34	811417		• SCREW, HEX SOCKET H- 6-32 X 1/2 LG	ATT PT	AR
- 35	2227451		• CHIMNEY ASM		1
			USED ON ASM 2243140 AND 2243141 ONLY		
- 36	816652		• . . SEAL		2
- 37	816653		• . . CHIMNEY		1
- 38	369208		• DECAL, INST-HAZARDOUS AREA		1
- 39	596756		• SEAL, FOAM, .38 TH X .50 W X SPECIFY LGTH.		6
- 40	2194604		• HINGE-FRAME MTG		2
- 41	59647		• SCREW, MACH-HEX HD 1/4-20 X 1 LG	ATT PT	4
- 42	6935		• WASHER, LOCK-SPLIT 1/4 X 0.493 OD	ATT PT	4
- 43	36109		• NUT, PLAIN, HEX- 1/4-20 X 7/16 FL W	ATT PT	4
- 44	811742		• SUPPORT		1
- 45	811426		• SCREW, MACH-PAN HD 6-32 X 3/8 IN. LG	ATT PT	1
- 46	257986		• WASHER, FLAT NO. 6	ATT PT	1
- 47	438550		• SCREW, MACH-BIND HD 4-40 X 1/2 LG		1
- 48	257985		• WASHER-PLAIN, .125 ID .250 OD NO. 4		1
- 49	37913		• NUT, HEX 4-40 NC		1
- 50	2243133		• GATE, TWO BOARD POSITION		1

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			D GATE ASSEMBLY -CONT		
			THE FOLLOWING PARTS ARE FEATURES ONLY		
34- 51	2243149		BUS AND CROSSOVER ASM USED ON 2.2 MICROSEC ONLY	1	
- 51	2243171		BUS AND CROSSOVER ASM USED ON 3.6 MICROSEC ONLY	1	
- 52	811621		• CROSSOVER ASSEMBLY, VOLTAGE FOR COMPONENT PARTS SEE LIST 44-69 70 AND 73	5	
- 53	2195466		• JUMPER ASM, GATE DOUBLE	5	
- 53	2196042		• JUMPER ASM, GATE DOUBLE	1	
- 53	2196055		• JUMPER ASM, GATE DOUBLE FOR COMPONENT PARTS SEE LIST 44-9,47,72	1	
- 53	2196049		• JUMPER ASM, GATE SINGLE	18	
- 53	2196052		• JUMPER ASM, GATE DOUBLE FOR COMPONENT PARTS SEE LIST 44-9 AND 47 USED ON ASM 2243149 ONLY	8	
- 53	2195294		• JUMPER ASM, GATE DOUBLE FOR COMPONENT PARTS SEE LIST 44-69A 71,72 AND 73A USED ON ASM 2243171 ONLY	AR	
- 54	2197488		• LABEL USED ON ASM 2243149 ONLY	1	
- 54	2197489		• LABEL USED ON ASM 2243171 ONLY	1	
- 55	811525		• BUS ASSEMBLY PARTS OF THIS ASM ARE NOT REPLACEABLE	1	
- 56	2510223		BOARD ASM,8K USED ON 2.2 MICROSEC ONLY	AR	
- 56	2510225		BOARD ASM,8K USED ON 3.6 MICROSEC ONLY PARTS OF THIS ASM ARE NOT REPLACEABLE	AR	
- 57	2191342		CABLE ASM,INTER GATE USED WITH 16K AND 32K ONLY FOR COMPONENT PARTS SEE LIST 44-45	AR	
- 58	5802225		CABLE ASM USED ON 2.2 MICROSEC ONLY FOR COMPONENT PARTS SEE LIST 44-75 76,77 AND 78	1	
- 59	811802		GUIDE-CARD,6 PAC	AR	
- 60	811363		EXTENDER, CARD, 6 PAC	AR	

FOR PARTS
NOT SHOWN
SEE FIG. 33

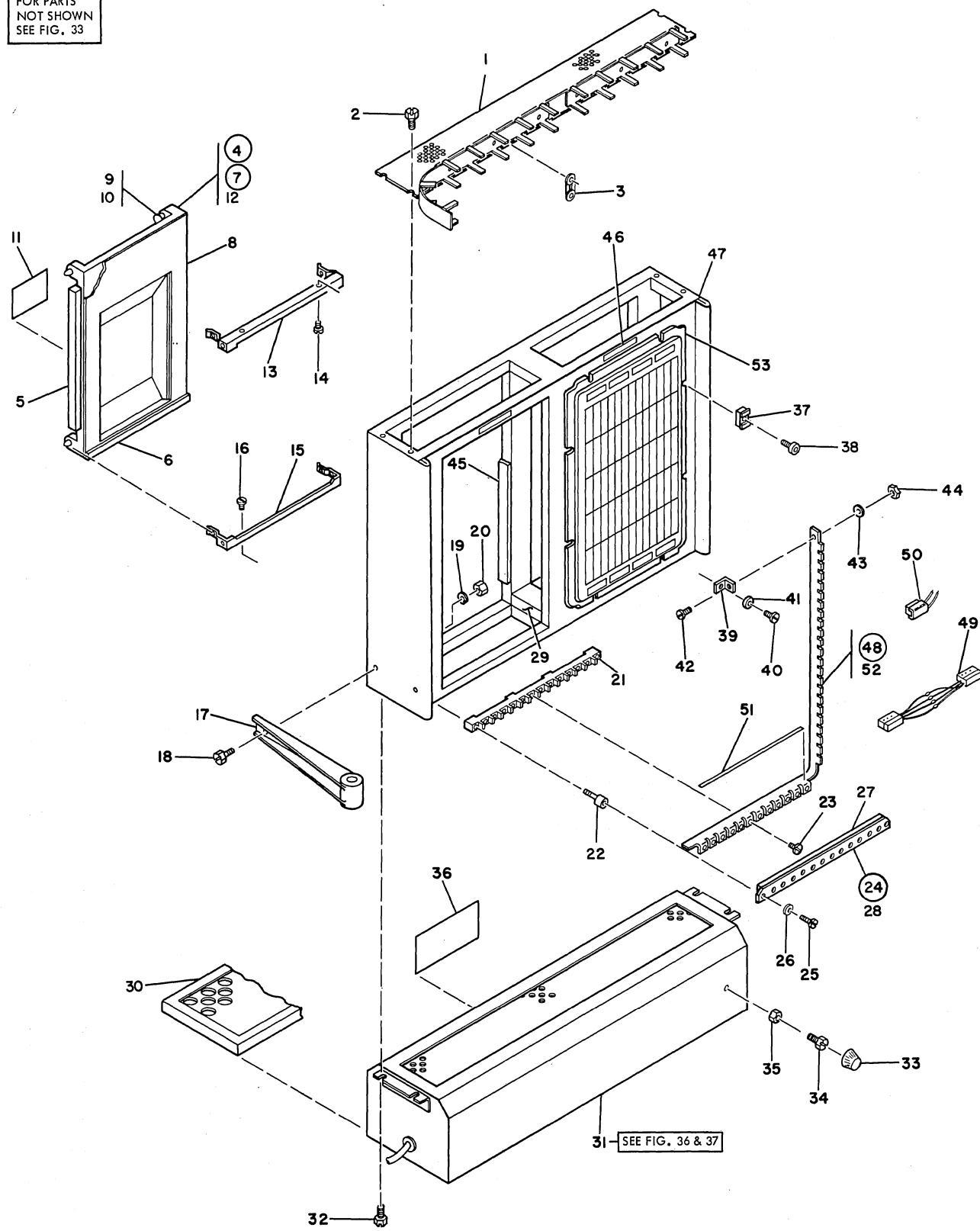


FIGURE 35. E GATE ASSEMBLY. SEE LIST 35.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
				REF	REF
			E GATE ASSEMBLY		
35 -	2243142		E GATE ASM, TWO BOARD, 60 CYCLE		
-	2243143		E GATE ASM, TWO BOARD, 50 CYCLE FOR ILLUSTRATION SEE FIGURE 35 FOR NEXT HIGHER ASM SEE LIST 33-122		
- 1	2243137		• COVER ASM, E GATE TOP PARTS OF THIS ASM ARE NOT REPLACEABLE	1	
- 2	5350012		• SCREW, THD FORMING HEX WSR HD 8-32 X .25 ATT PT	4	
- 3	811427		• RETAINER	10	
- 4	2243135		• COVER ASM, CARD	2	
- 5	2243197		• • SEAL,.25X.25X AS REQUIRED	AR	
- 6	596756		• • SEAL, FOAM,.38 TH X .50 W X SPECIFY LGTH.	AR	
- 7	2190824		• • COVER ASM, MEMORY	1	
- 8	2190834		• • BACKING, FOAM	1	
- 9	815963		• • CATCH-PULL	4	
- 10	815964		• • CATCH	4	
- 11	2191096		• • PLATE, INSTRUCTION-MEMORY DECAL	1	
- 12	2190808		• • COVER, MEMORY CARD	1	
- 13	811853		• BRACKET-HINGE	2	
- 14	734483		• SCREW, PAN HD- 6-32 X 0.380 LG ATT PT	4	
- 15	2190819		• BRACKET, STORAGE-LOWER HINGE CBM PARTS OF THIS ASM ARE NOT REPLACEABLE	2	
- 16	734483		• SCREW, PAN HD- 6-32 X 0.380 LG ATT PT	4	
- 17	2194606		• HINGE-REAR, LH BAY	2	
- 18	59647		• SCREW, MACH-HEX HD 1/4-20 X 1 LG ATT PT	4	
- 19	6935		• WASHER, LOCK-SPLIT 1/4 X 0.493 OD ATT PT	4	
- 20	36109		• NUT, PLAIN, HEX- 1/4-20 X 7/16 FL W ATT PT	4	
- 21	811476		• TERMINAL BLOCK, 12 POSITION	1	
- 22	811536		• STANDOFF	2	
- 23	811481		• SCREW, MACH- 6-32 X 1/4 LG	12	
- 24	811556		• SHIELD ASM, INSULATOR AND - 12 POS	1	
- 25	10170		• SCREW-MACH, BIND HD NO. 6-32 X .250 LG ATT PT	2	
- 26	22478		• WASHER, FL- 0.170 ID 0.375 OD 0.032 THK ATT PT	2	
- 27	811555		• • SEAL	1	
- 28	811534		• • SHIELD, 12 POSITION	1	
- 29	2197310		• FOAM, AIR BLOCK, 1.25 X 1.38 X 3.12 LG USED ON 50 CYCLE ONLY	3	
- 30	2243128		• FILTER, AIR-4.88 X 18.50 INCHES	1	
- 31	2243251		• BLOWER ASM, TWO FAN, 60 CYCLE FOR DETAIL BREAKDOWN SEE LIST 36	1	
- 31	2243252		• BLOWER ASM, TWO FAN, 50 CYCLE FOR DETAIL BREAKDOWN SEE LIST 37	1	
- 32	5350012		• SCREW, THD FORMING HEX WSR HD 8-32 X .25 ATT PT	4	
- 33	333064		• BUMPER, RUBBER	1	
- 34	36112		• SCREW, MACH-HEX HD 1/4-20 X 1-1/2 LG	1	
- 35	36109		• NUT, PLAIN, HEX- 1/4-20 X 7/16 FL W	1	
- 36	369208		• DECAL, INST-HAZARDOUS AREA	1	
- 37	813179		• CLAMP-BOARD	16	
- 38	811417		• SCREW, HEX SOCKET H- 6-32 X 1/2 LG ATT PT	16	
- 39	811742		• SUPPORT	1	
- 40	811426		• SCREW, MACH-PAN HD 6-32 X 3/8 IN. LG ATT PT	1	
- 41	257986		• WASHER, FLAT NO. 6 ATT PT	1	
- 42	438550		• SCREW, MACH-BIND HD 4-40 X 1/2 LG	1	
- 43	257985		• WASHER-PLAIN, .125 ID .250 OD NO. 4	1	
- 44	37913		• NUT, HEX 4-40 NC	1	
- 45	596756		• SEAL, FOAM,.38 TH X .50 W X SPECIFY LGTH.	4	
- 46	2197473		• LABEL	1	
- 47	2243133		• GATE, TWO BOARD POSITION	1	
			THE FOLLOWING PARTS ARE FEATURES ONLY		
- 48	2243149		BUS AND CROSSOVER ASM USED ON 2.2 MICROSEC ONLY	2	
- 48	2243171		BUS AND CROSSOVER ASM USED ON 2.2 MICROSEC ONLY	2	

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			E GATE ASSEMBLY -CONT		
35 - 49	811621		<ul style="list-style-type: none"> • CROSSOVER ASSEMBLY, VOLTAGE FOR COMPONENT PARTS SEE LIST 44-69,70,73 	5	
- 50	2195466		<ul style="list-style-type: none"> • JUMPER ASM, GATE DOUBLE 	5	
- 50	2196042		<ul style="list-style-type: none"> • JUMPER ASM, GATE DOUBLE 	1	
- 50	2196055		<ul style="list-style-type: none"> • JUMPER ASM, GATE DOUBLE 	1	
- 50	2196049		<ul style="list-style-type: none"> • JUMPER ASM, GATE DOUBLE 		
- 50	2196052		<ul style="list-style-type: none"> • JUMPER ASM, GATE DOUBLE 	18	
- 50	2195294		<ul style="list-style-type: none"> • JUMPER ASM, GATE DOUBLE 	8	
- 51	2197488		<ul style="list-style-type: none"> • JUMPER ASM, GATE DOUBLE 	AR	
- 51	2197489		<ul style="list-style-type: none"> • FOR COMPONENT PARTS SEE LIST 44-9,47,72 • JUMPER ASM, GATE SINGLE 	1	
- 52	811525		<ul style="list-style-type: none"> • JUMPER ASM, GATE DOUBLE 	1	
- 53	2510223		<ul style="list-style-type: none"> • FOR COMPONENT PARTS SEE LIST 44-9,47 • USED ON ASM 2243149 ONLY • JUMPER ASM, GATE DOUBLE 		
			<ul style="list-style-type: none"> • FOR COMPONENT PARTS SEE LIST 44-69A • 71,72 AND 73A • USED ON ASM 2243171 ONLY • LABEL 		
			<ul style="list-style-type: none"> • USED ON ASM 2243149 ONLY • LABEL 	1	
			<ul style="list-style-type: none"> • USED ON ASM 2243171 ONLY • BUS ASSEMBLY 	1	
			<ul style="list-style-type: none"> • PARTS OF THIS ASM ARE NOT REPLACEABLE 		
			<ul style="list-style-type: none"> BOARD ASM,8K • PARTS OF THIS ASM ARE NOT REPLACEABLE 	2	

FOR PARTS
NOT SHOWN
SEE FIG. 34 & 35

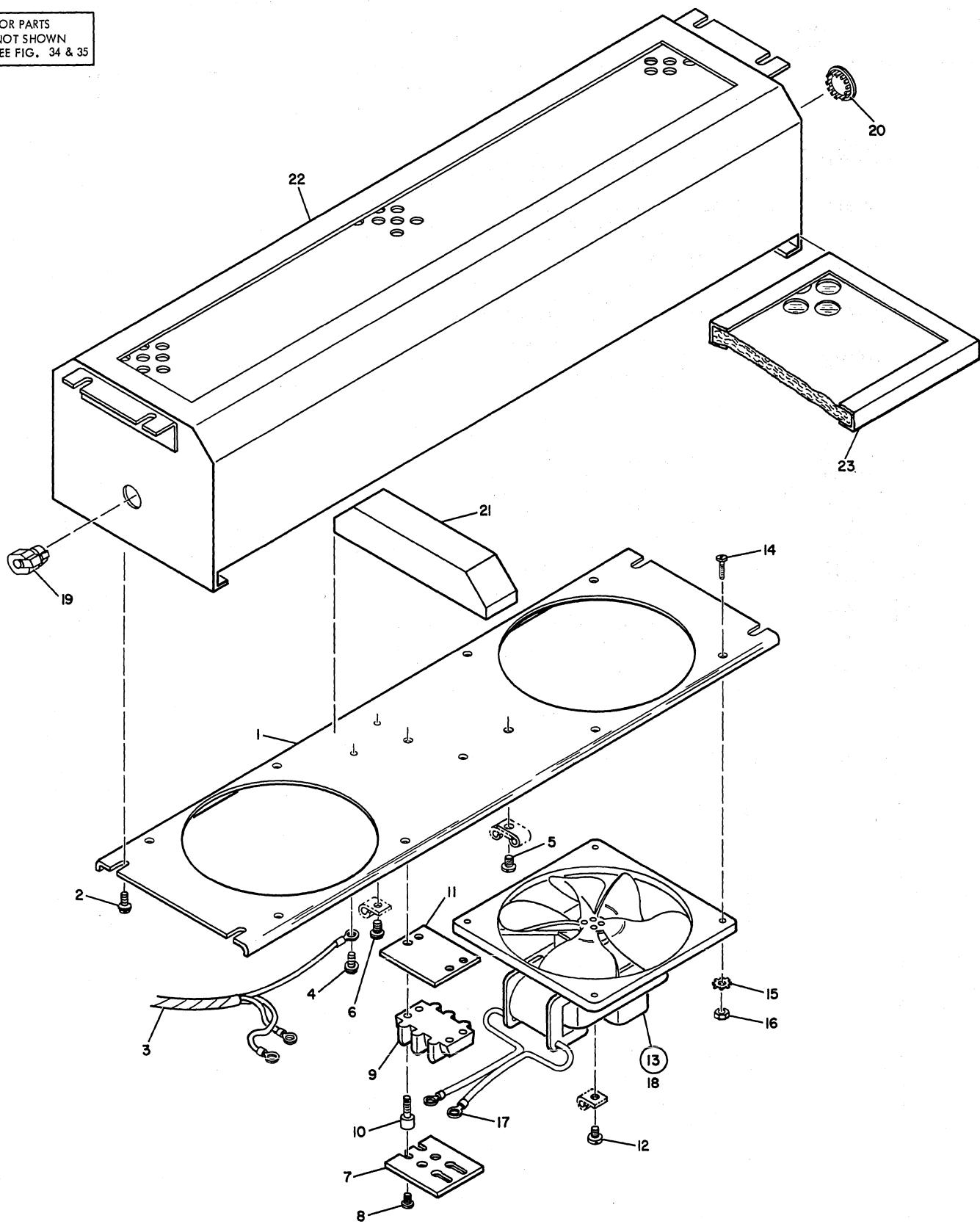


FIGURE 36. 60 CYCLE BLOWER ASSEMBLY. SEE LIST 36.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			60 CYCLE BLOWER ASSEMBLY		
36 -	2243129		BLOWER ASM, TWO FAN, 60 CYCLE	REF	
-	2243131		BLOWER ASM, ONE FAN, 60 CYCLE	REF	
			FOR ILLUSTRATION SEE FIGURE 36		
			FOR NEXT HIGHER ASM SEE LIST 34-31		
-	2243251		BLOWER ASM, TWO FAN, 60 CYCLE	REF	
			FOR ILLUSTRATION SEE FIGURE 36		
			FOR NEXT HIGHER ASM SEE LIST 35-31		
- 1	2243127		• PLATE, FAN MTG	1	
- 2	5319854		• SCREW, SELF TAPPING, 8-32 X .375 LONG	ATT PT	4
- 3	2243162		• CABLE ASM, D GATE BLOWER TO TB 1 USED ON ASM 2243129 AND 2243131	1	
- 3	2243163		• CABLE ASM, E GATE BLOWER TO TB 1 USED ON ASM 2243251 ONLY	1	
			FOR COMPONENT PARTS SEE LIST 44-1 AND 2C		
- 4	2181005		• SCREW, SELF TAPPING, 6-32 X .375 LG.	1	
- 5	10170		• SCREW-MACH, BIND HD NO. 6-32 X .250 LG	1	
- 6	2181005		• SCREW, SELF TAPPING, 6-32 X .375 LG.	1	
- 7	187467		• SHIELD, 2 POSITION	1	
- 8	10170		• SCREW-MACH, BIND HD NO. 6-32 X .250 LG	ATT PT	2
- 9	323840		• TERMINAL BOARD- 2 DBL SCREW TERMINALS	1	
- 10	210883		• STUD, EXT 6-32 X 1/2 INT 6-32 X 0.19 DP	ATT PT	2
- 11	2101380		• MARKER STRIP- 2 POS NOS. 1 AND 2	1	
- 12	236849		• SCREW, MACH-BIND HD 10-32 X 1/4 LG	1	
- 13	2190725		• FAN ASM- 115 VOLT 60 CYCLE		AR
- 14	322550		• SCREW, MACH-BIND HD 6-32 X 1/2 LG	ATT PT	AR
- 15	56722		• WASHER-LOCK, EXT T, .150 ID	ATT PT	AR
- 16	257187		• NUT, HEX 6-32 NC	ATT PT	AR
- 17	334921		• TERMINAL-LUG NO.22 THRU NO.18 WIRE INSUL	2	
- 18	2172165		• FAN-115 VOLT 60 CYCLE	1	
- 19	107611		• BUSHING		
			USE ON OPPOSITE SIDE FOR 2243251		
- 20	1143048		• PLUG, SNAP IN- 0.656 HOLE	1	
			USE ON OPPOSITE SIDE FOR 2243251		
- 21	2191016		• BAFFLE, FAN-GATE	1	
			USED ON ASM 2243131 ONLY		
- 22	2243126		• HOUSING, FAN	1	
			PARTS NOT INCLUDED WITH ASM		
- 23	2243128		FILTER, AIR-4.88 X 18.50 INCHES	1	

FOR PARTS
NOT SHOWN
SEE FIG. 34 & 35

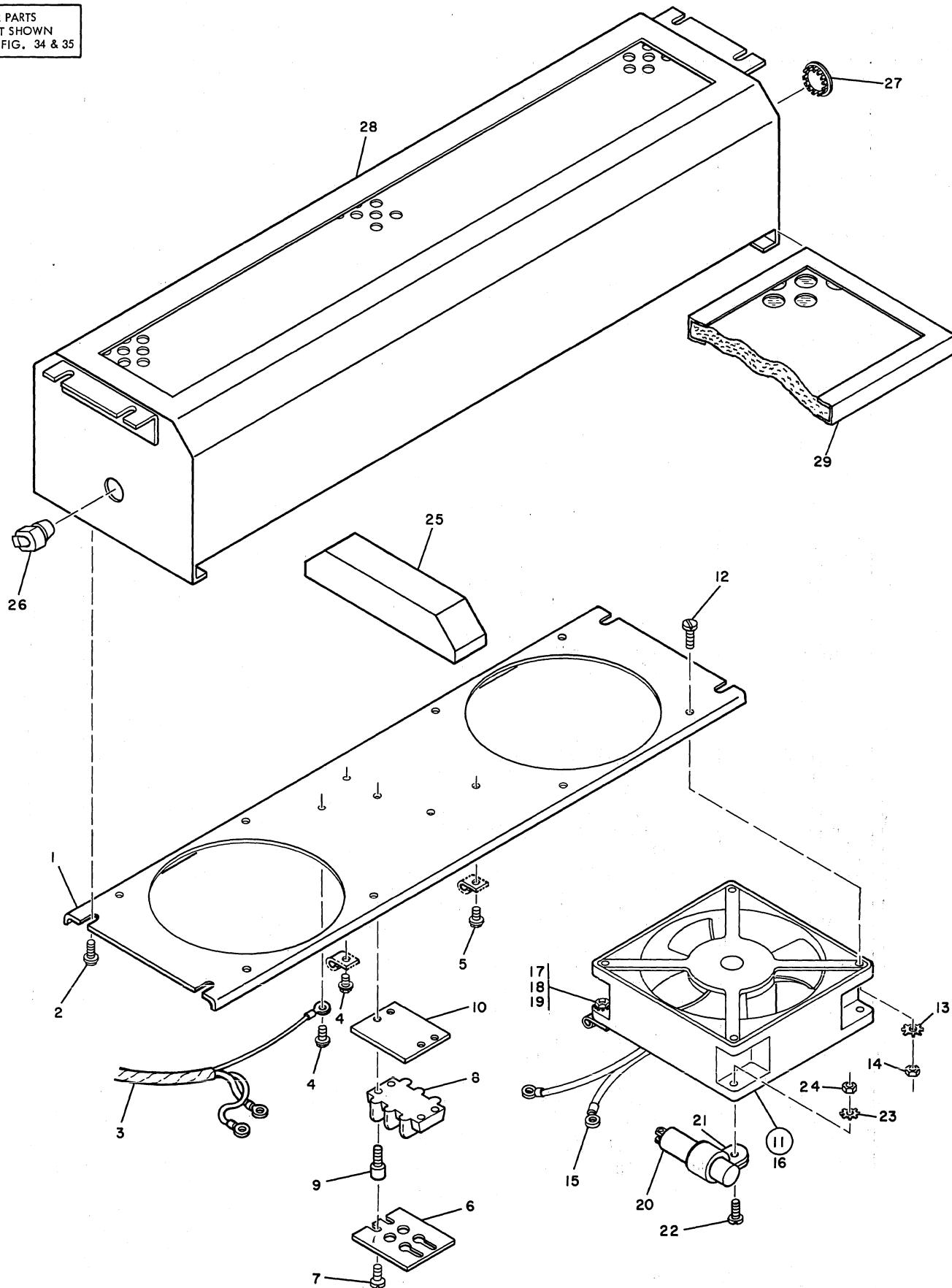


FIGURE 37. 50 CYCLE BLOWER ASSEMBLY. SEE LIST 37.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			50 CYCLE BLOWER ASSEMBLY		
37 -	2243130		BLOWER ASM, TWO FAN, 50 CYCLE	REF	
-	2243132		BLOWER ASM, ONE FAN, 50 CYCLE FOR ILLUSTRATION SEE FIGURE 3M FOR NEXT HIGHER ASM SEE LIST 34-31	REF	
-	2243252		BLOWER ASM, TWO FAN, 50 CYCLE FOR ILLUSTRATION SEE FIGURE 37 FOR NEXT HIGHER ASM SEE LIST 35-31	REF	
- 1	2243127		• PLATE, FAN MTG	1	
- 2	5319854		• SCREW, SELF TAPPING, 8-32 X .375 LONG	4	
- 3	2243162		• CABLE ASM, D GATE BLOWER TO TB 1 USED ON ASM 2243130 AND 2243132	1	
- 3	2243163		• CABLE ASM, E GATE BLOWER TO TB 1 USED ON ASM 2243252 ONLY FOR COMPONENT PARTS SEE LIST 44-1 AND 2C	1	
- 4	2181005		• SCREW, SELF TAPPING, 6-32 X .375 LG.	2	
- 5	10170		• SCREW-MACH, BIND HD NO. 6-32 X .250 LG	1	
- 6	187467		• SHIELD, 2 POSITION	1	
- 7	10170		• SCREW-MACH, BIND HD NO. 6-32 X .250 LG	2	
- 8	323840		• TERMINAL BOARD- 2 DBL SCREW TERMINALS	1	
- 9	210883		• STUD, EXT 6-32 X 1/2 INT 6-32 X 0.19 DP	2	
- 10	2101380		• MARKER STRIP- 2 POS NOS. 1 AND 2	1	
- 11	2197144		• FAN ASM- 50 CYCLE 220V AC	AR	
- 12	322550		• SCREW, MACH-BIND HD 6-32 X 1/2 LG	AR	
- 13	56722		• WASHER-LOCK, EXT T, .150 ID	AR	
- 14	257187		• NUT, HEX 6-32 NC	AR	
- 15	334921		• TERMINAL-LUG NO.22 THRU NO.18 WIRE INSUL	2	
- 16	4120173		• FAN	1	
- 17	322550		• SCREW, MACH-BIND HD 6-32 X 1/2 LG	1	
- 18	56722		• WASHER-LOCK, EXT T, .150 ID	1	
- 19	257187		• NUT, HEX 6-32 NC	1	
- 20	4116231		• CAPACITOR, FXD, PAPER- 2MFD P/M 10% 200VAC	2	
- 21	4062615		• CLAMP-CAPACITOR	2	
- 22	322550		• SCREW, MACH-BIND HD 6-32 X 1/2 LG	1	
- 23	56722		• WASHER-LOCK, EXT T, .150 ID	1	
- 24	257187		• NUT, HEX 6-32 NC	1	
- 25	2191016		• BAFFLE, FAN-GATE USED ON ASM 2243132 ONLY	1	
- 26	107611		• BUSHING USE ON OPPOSITE SIDE FOR 2243252	1	
- 27	1143048		• PLUG, SNAP IN- 0.656 HOLE USE ON OPPOSITE SIDE FOR 2243252	1	
- 28	2243126		• HOUSING, FAN	1	
			PARTS NOT INCLUDED WITH ASM		
- 29	2243128		FILTER, AIR-4.88 X 18.50 INCHES	1	

FOR PARTS
NOT SHOWN
SEE FIG. 33

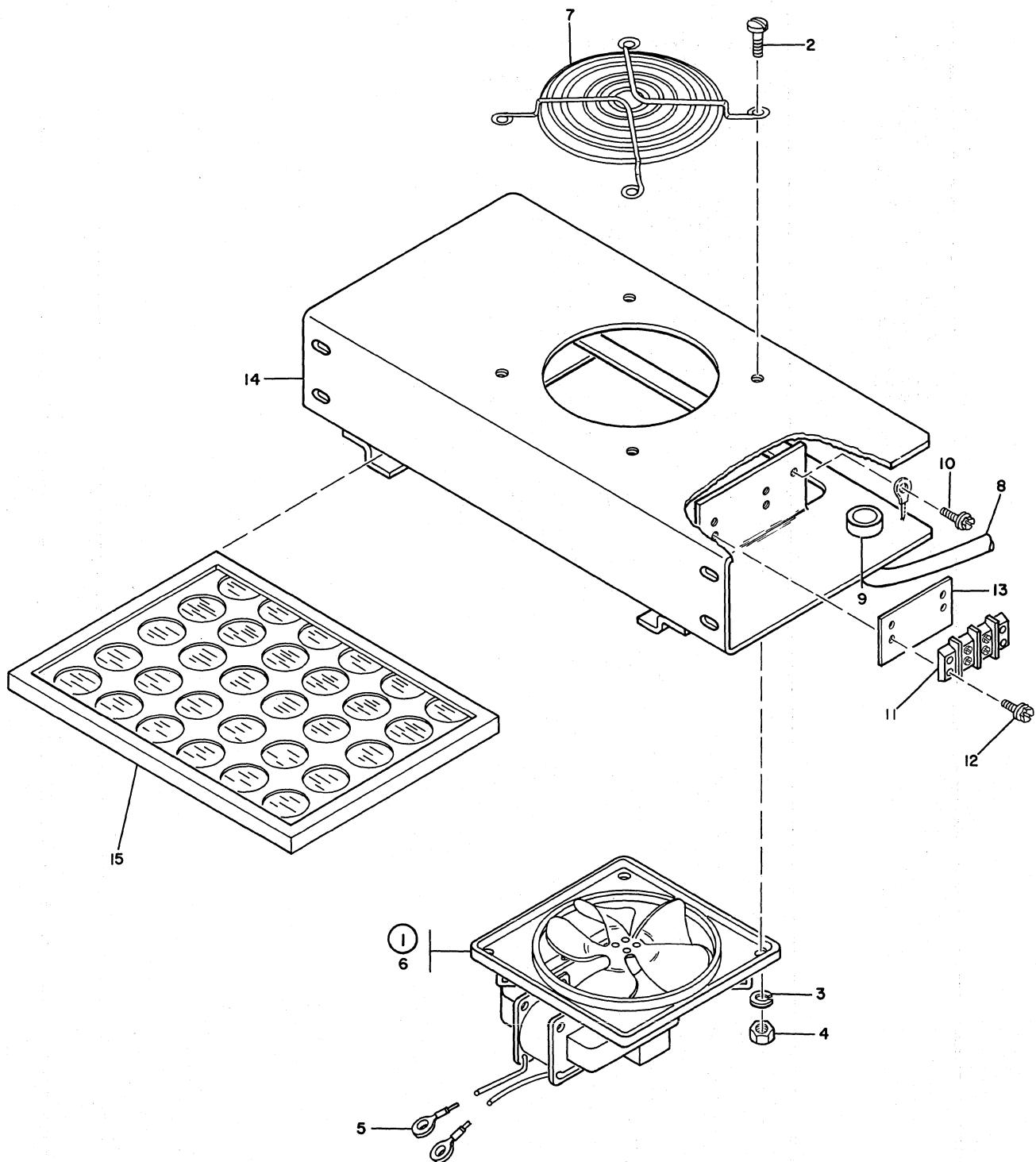
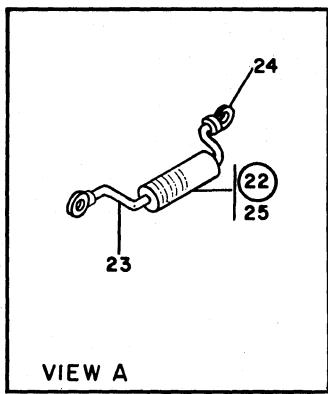


FIGURE 38. BLOWER ASSEMBLY, POWER SUPPLY. SEE LIST 38.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			BLOWER ASSEMBLY,POWER SUPPLY		
38 -	2243172		BLOWER ASM,60 CYCLE	REF	
-	2243173		BLOWER ASM,50 CYCLE FOR ILLUSTRATION SEE FIGURE 38 FOR NEXT HIGHER ASM SEE LIST 33-131	REF	
- 1	2190725		• FAN ASM- 115 VOLT 60 CYCLE	1	
- 1	2190900		• FAN ASM- 50 CYCLE 220V AC	1	
- 2	322065		• SCREW,MACH-BIND HD 6-32 X 5/8 LG USED ON 60 CYCLE ONLY	4	
- 2	170215		• SCREW,ASMD WASHER-FIL H 6-32 X 3/8 LG USED ON 50 CYCLE ONLY	4	
- 3	6364		• WASHER,LOCK-SPLIT NO. 6 X 1/4 OD USED ON 60 CYCLE ONLY	4	
- 4	257187		• NUT,HEX 6-32 NC USED ON 60 CYCLE ONLY	4	
- 5	334921		• • TERMINAL-LUG NO.22 THRU NO.18 WIRE INSUL	2	
- 6	2172165		• • FAN-115 VOLT 60 CYCLE	1	
- 6	4120171		• • FAN-220 VOLT 50 CYCLE	1	
- 7	2172166		• GUARD,FAN 60 CYCLE	1	
- 8	2243161		• CABLE ASM,P/S BLOWER TO TB 1 FOR COMPONENT PARTS SEE LIST 44-1 AND 2C	1	
- 9	107611		• BUSHING	1	
- 10	2181005		• SCREW, SELF TAPPING, 6-32 X .375 LG.	1	
- 11	323840		• TERMINAL BOARD- 2 DBL SCREW TERMINALS	1	
- 12	2181011		• SCREW, SELF TAPPING, 6-32 X .50 LG.	4	
- 13	2101380		• MARKER STRIP- 2 POS NOS. 1 AND 2	1	
- 14	2243144		• HOUSING,BLOWER	1	
			PARTS NOT INCLUDED WITH ASM		
- 15	5357064		FILTER,AIR,8.30 X 5.91	1	



FOR PARTS
NOT SHOWN
SEE FIG. 33

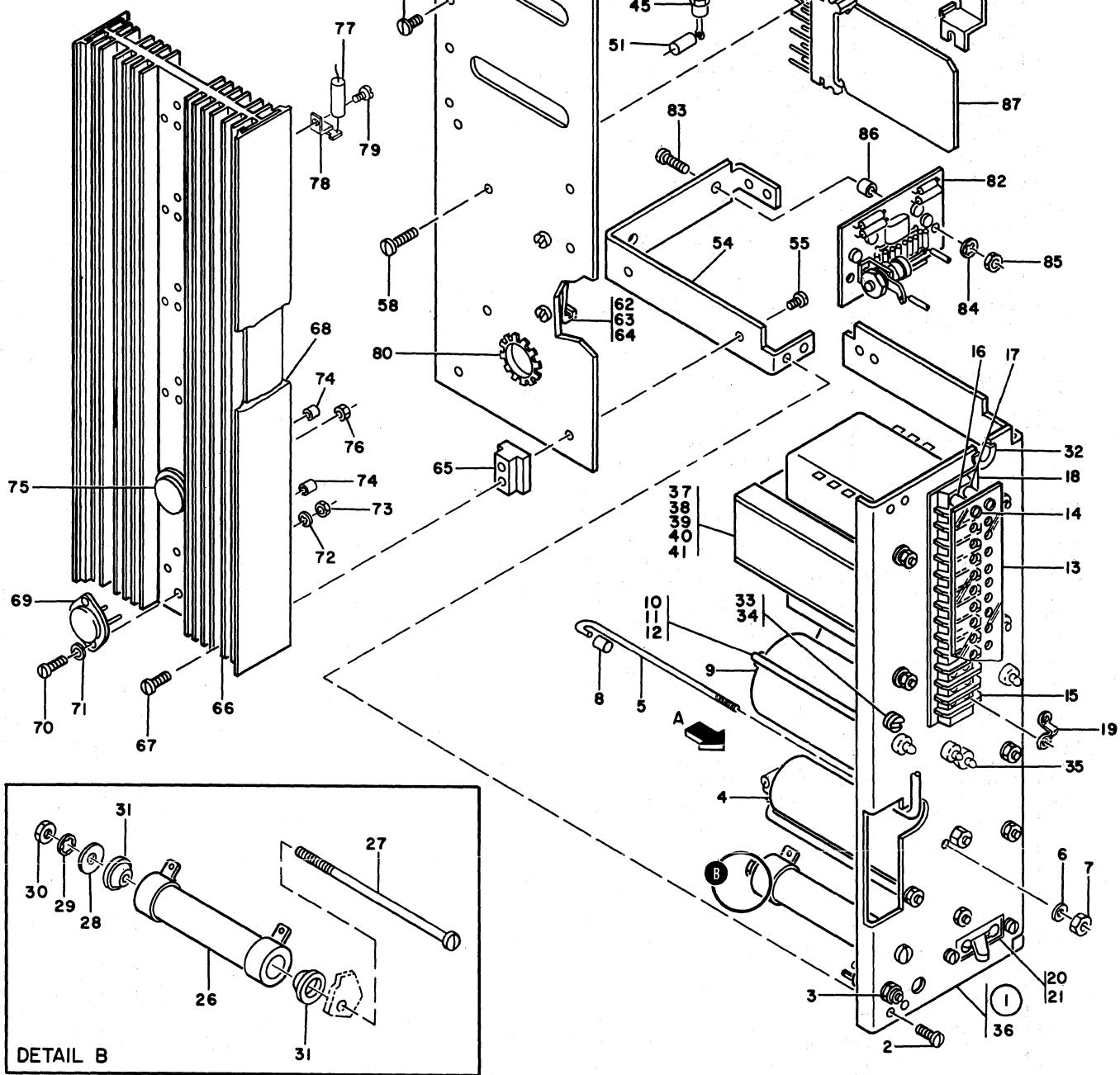


FIGURE 39. POWER SUPPLY ASSEMBLY, 9-12V AT 10A. SEE LIST 39

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
				REF	REF
			POWER SUPPLY ASSEMBLY, 9-12V AT 10A		
39 -	5709440		POWER SUPPLY ASM, 9-12VDC 10A-60CPS		
-	5709480		POWER SUPPLY ASM, 9-12VDC 10A-50CPS		
			FOR ILLUSTRATION SEE FIGURE 39		
			FOR NEXT HIGHER ASM SEE LIST 33-127		
- 1	5709444		COMPONENT MOUNTING PLATE ASSEMBLY	1	
- 2	28413		SCREW, MACH-BIND HD 10-32 X 5/16 LG	8	
- 3	441181		POTENTIOMETER	1	
- 4	5261127		CAPACITOR-ELECTROLYTIC	1	
- 5	473432		CLAMP	2	
- 6	62031		WASHER, LOCK-INT TEETH NO. 6 X 0.295 OD	2	
- 7	38051		NUT, PLAIN HEX 6-32 X 1/4 FL W	2	
- 8	473412		INSULATOR, CAPACITOR CLAMP	12	
- 9	5261077		CAPACITOR-ELECTROLYTIC	4	
- 10	5247112		CLAMP, CAPACITOR	8	
- 11	62031		WASHER, LOCK-INT TEETH NO. 6 X 0.295 OD	8	
- 12	38051		NUT, PLAIN HEX 6-32 X 1/4 FL W	8	
- 13	187470		SHIELD, TERMINAL BOARD	1	
- 14	210984		SCREW, MACH RH 6-32 X .25	1	
- 15	82353		TERMINAL BOARD- 14 DBL SCREW TERMINALS	1	
- 16	5261167		STUD- 8-32 X 0.438 LG W/6-32 TAPPED HOLE	1	
- 17	5261165		STUD, SHLDR- 8-32 X 0.438 LG THD	3	
- 18	620240		INSULATOR	1	
- 19	472187		JUMPER-BRASS	2	
- 20	207351		CIRCUIT BREAKER- 1 POLE 60V DC 12 AMP	1	
- 21	10170		SCREW-MACH, BIND HD NO. 6-32 X .250 LG	2	
- 22	5261936		RESISTOR ASSEMBLY, 200 OHMS 5W	1	
- 23	113819		TUBING	3	
- 24	334932		TERMINAL-LUG NO.18 THRU NO.22 WIRE INSUL	2	
- 25	477144		RESISTOR, WIREWOUND - 200 OHM 5W	1	
- 26	730452		RESISTOR, FXD	1	
- 27	331982		SCREW, MACH RD HD 8-32 X 1-1/4 LG	1	
- 28	22478		WASHER, FL- 0.170 ID 0.375 OD 0.032 THK	1	
- 29	60646		WASHER, LOCK-INT TEETH NO. 8 X 0.340 OD	1	
- 30	257189		NUT, HEX 8-32	1	
- 31	510468		CUP WASHER	2	
- 32	730432		GROMMET, CATERPILLAR	1	
- 33	55726		SCREW, MACH-BIND HD 6-32 X .188 LG	1	
- 34	56722		WASHER-LOCK, EXT T, .150 ID	1	
- 35	5253894		CAP, SCREW- .280 ID	4	
- 36	5709429		CHASSIS-UNIT 4 SPECIAL	1	
- 37	5261083		TRANSFORMER, POWER	1	
- 37	4116411		TRANSFORMER	1	
- 38	332620		SCREW, MACH-BIND HD 10-32 X 1/2 LG	4	
- 39	45690		WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	4	
- 40	9092		WASHER-LOCK, SPLIT RING, .194 ID .337OD	4	
- 41	11598		NUT, HEX 10-32	4	
- 42	5261037		HEATSINK ASSEMBLY	1	
- 43	5261009		BRACKET-DIODE MOUNTING	1	
- 44	10170		SCREW-MACH, BIND HD NO. 6-32 X .250 LG	2	
- 45	127324		SEMICONDUCTOR DEVICE, D10- 150V 30 AMP	2	
- 46	3550		WASHER, FLAT 1/4 ID-9/16-OD-0.05 THICK	2	
- 47	160017		NUT, PLAIN, HEX- 1/4-28 X 7/16 FL W	2	
- 48	473592		INSULATOR	2	
- 49	217017		WASHER-INSULATING	8	
- 50	5261606		JUMPER PLATE	1	
- 51	491228		CAPACITOR, .010 UF	1	
- 52	730176		BRACKET-UNIT SUPPORT	1	
- 53	473544		SCREW, BINDING HEAD SELF TAP NO 6 1/2 IN	2	

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			POWER SUPPLY ASSEMBLY, 9-12V AT 10A -CONT		
39 - 54	5261159		• BRACKET-UNIT SUPPORT	1	
- 55	473544		• SCREW,BINDING HEAD SELF TAP NO 6 1/2 IN	ATT PT	2
- 56	216076		• TERMINAL BLOCK AND CONTACT ASSEMBLY FOR CCMONENTS SEE LIST 44-64		
- 57	477203		• BRACKET		
- 58	38235		• SCREW,BIND HD 6-32 X .312 LONG	ATT PT	2
- 59	257986		• WASHER,FLAT NO. 6	ATT PT	2
- 60	62031		• WASHER,LOCK-INT TEETH NO. 6 X 0.295 OD	ATT PT	2
- 61	38051		• NUT,PLAIN HEX 6-32 X 1/4 FL W	ATT PT	2
- 62	5712309		• GUIDE		1
- 63	38235		• SCREW,BIND HD 6-32 X .312 LONG	ATT PT	2
- 64	257187		• NUT,HEX 6-32 NC	ATT PT	2
- 65	473531		• INSULATOR		6
- 66	5261079		• HEAT SINK		1
- 67	79779		• SCREW,THD CTG-BIND HD NO. 6 X 3/4 LG	ATT PT	6
- 68	473536		• SEAL		29
- 69	369616		• TRANSISTOR-TYPE 119		1
- 70	322550		• SCREW,MACH-BIND HD 6-32 X 1/2 LG	ATT PT	2
- 71	257986		• WASHER,FLAT NO. 6	ATT PT	2
- 72	6364		• WASHER,LOCK-SPLIT NO. 6 X 1/4 OD	ATT PT	2
- 73	38051		• NUT,PLAIN HEX 6-32 X 1/4 FL W	ATT PT	2
- 74	219423		• TUBE,RUBBER- 0.085 ID X 0.120 OD X 2 LG		10
- 75	369214		• TRANSISTOR,TYPE 108		4
- 76	11891		• NUT,PLAIN,HEX- 10-32 X 3/8 FL W BRS	ATT PT	4
- 77	207324		• RESISTOR,FXD,WW- 0.1 OHM P/M 5% 5W		4
- 78	478045		• TERMINAL - SOLDER		4
- 79	70078		• SCREW,THD FORMING-BIND HD	ATT PT	4
- 80	473533		• GROMMET		1
- 81	5261058		• COVER		1
- 82	5253897		• CARD ASSEMBLY-OVERVOLTAGE CKT 12V PARTS OF THIS ASM ARE NOT REPLACEABLE		1
- 83	1091173		• SCREW,MACH-FL CSK HD 4-40 X 5/8 LG	ATT PT	2
- 84	257985		• WASHER-PLAIN, .125 ID .250 OD NO. 4	ATT PT	2
- 85	37913		• NUT, HEX 4-40 NC	ATT PT	2
- 86	483111		• SPACER,SLEEVE- 0.12 ID 0.25 OD X 0.19 LG		2
- 87	375249		• PARTS OF THIS ASM ARE NOT REPLACEABLE		1

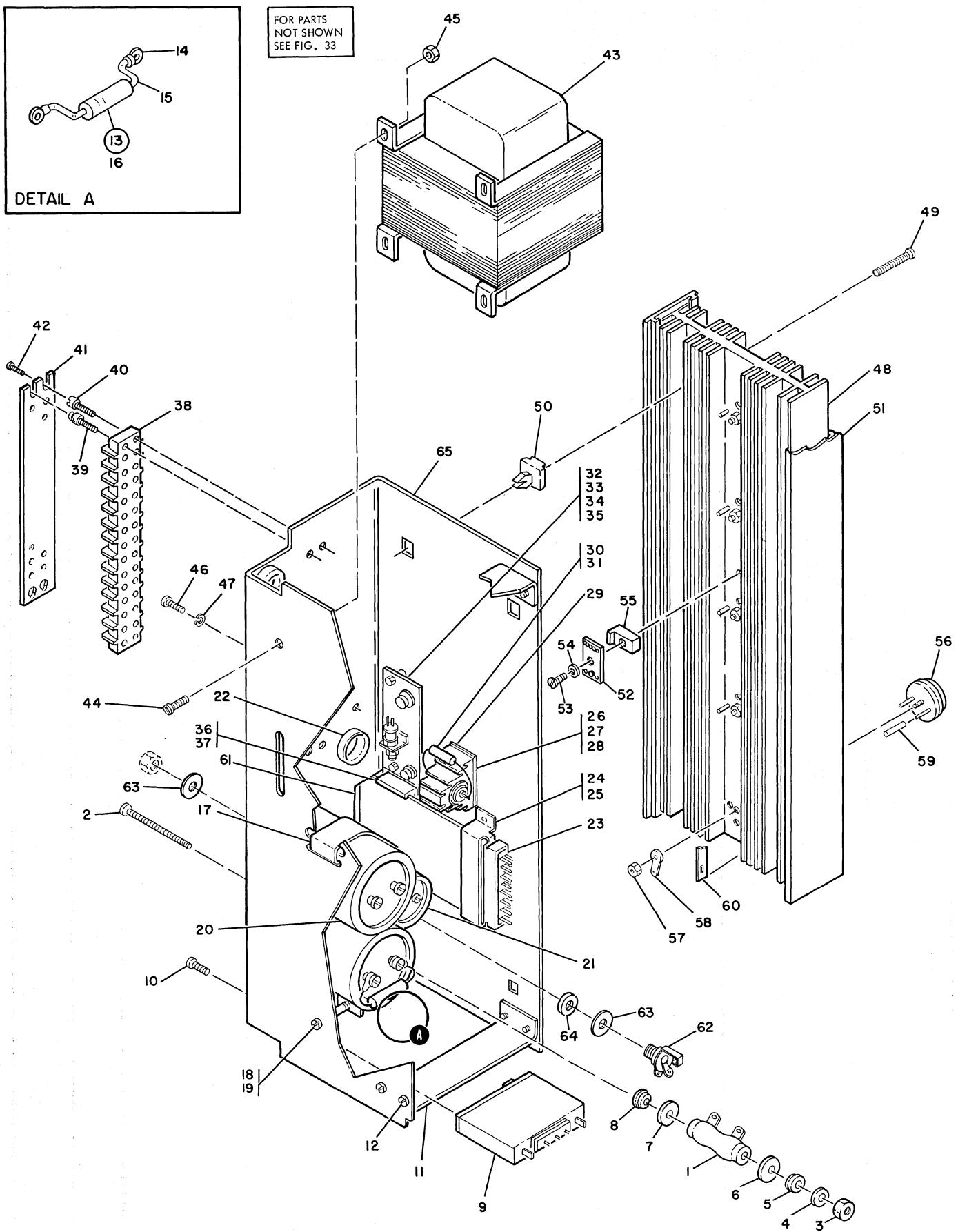
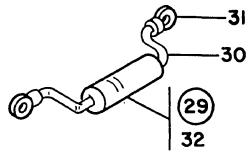


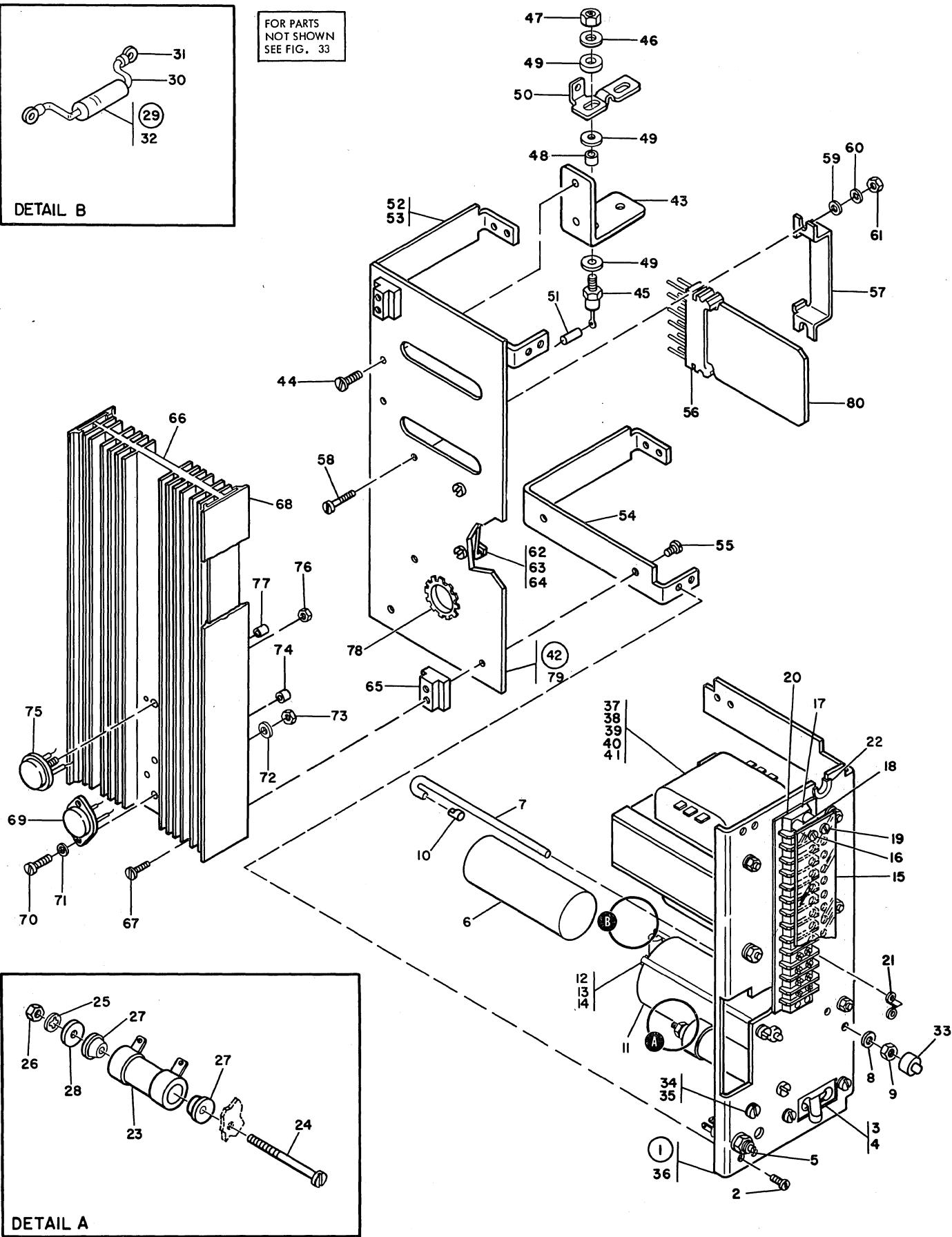
FIGURE 40. 6 VOLT 12 AMP POWER SUPPLY ASSEMBLY. SEE LIST 40.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
				1	2
6VDC 12AMP POWER SUPPLY ASSEMBLY					
40 -	5239409		POWER SUPPLY ASM,6V AT 12AMPS-60CYCLE		REF
-	5239427		POWER SUPPLY ASM,6V AT 12AMPS-50CYCLE		REF
			FOR ILLUSTRATION SEE FIGURE 40		
			FOR NEXT HIGHER ASM SEE LIST 33-127		
			AND LIST 24A-27		
- 1	5261098		• RESISTOR,FXD,WW- 0.04 OHMS P/M 10% 25W		1
- 2	438593		• SCREW-MACH-BIND HD NO. 8-32 X 2 1/2 LG	ATT PT	1
- 3	5761938		• NUT/LOCKWASHER ASSEMBLY - 8-32	ATT PT	1
- 4	2903		• WASHER,FL-NO. 6 X 1/2 OD X 1/32 THK	ATT PT	1
- 5	510468		• CUP WASHER		1
- 6	5761935		• WASHER		1
- 7	5761935		• WASHER		1
- 8	510468		• CUP WASHER		1
- 9	5214548		• PROTECTOR		1
- 10	38235		• SCREW,BIND HD 6-32 X .312 LONG	ATT PT	2
- 11	5761779		• BRACKET,CHASSIS		2
- 12	731629		• SCREW,PAN HD- 10-32 X 0.380 LG	ATT PT	8
- 13	5261935		• RESISTOR ASSEMBLY-330 OHMS 2W		1
- 14	359695		• • TERMINAL-RING LUG NO.10 STUD		2
- 15	113819		• • TUBING		
- 16	317080		• • RESISTOR,FXD 330 OHM 2W		
- 17	5761794		• STRAP,CAPACITOR		1
- 18	438571		• SCREW, BINDING HEAD, 6-32 NC X 1-3/4 LG.	ATT PT	1
- 19	5761943		• NUT,HEX 10-32 NC	ATT PT	1
- 20	5214367		• CAPACITOR		3
- 21	5261128		• CAPACITOR,ELECTROLYTIC- 7300 UF 10VDC		
- 22	5761936		• GROMMET		
- 23	216076		• TERMINAL BLOCK AND CONTACT ASSEMBLY		1
- 24	5761904		• BRACKET		1
- 25	5761907		• RIVET	ATT PT	2
- 26	5761977		• RECTIFIER ASSEMBLY		1
- 27	734483		• SCREW,PAN HD- 6-32 X 0.380 LG	ATT PT	3
- 28	5762215		• WASHER,INSULATING		
- 29	5761979		• INSULATOR		1
- 30	491228		• CAPACITOR, .010 UF		1
- 31	113819		• TUBING		2
- 32	5761988		• OVERVOLTAGE CARD ASSEMBLY, 6 VOLT		
- 33	438551		• SCREW,MACH-BIND HD 4-40 X 5/8 LG	ATT PT	2
- 34	332779		• SPACER		
- 35	37913		• NUT, HEX 4-40 NC	ATT PT	2
- 36	5712309		• GUIDE		1
- 37	5761907		• RIVET	ATT PT	2
- 38	5214556		• TERMINAL		1
- 39	5261165		• STUD,SHLDR- 8-32 X 0.438 LG THD	ATT PT	3
- 40	5261167		• STUD- 8-32 X 0.438 LG W/6-32 TAPPED HOLE	ATT PT	1
- 41	210990		• SHIELD- 13 POSITION		1
- 42	210984		• SCREW,MACH RH 6-32 X .25	ATT PT	1
- 43	5761729		• TRANSFORMER, 60 CYCLE		
- 43	4116484		• TRANSFORMER, 50 CYCLE		
- 44	332620		• SCREW,MACH-BIND HD 10-32 X 1/2 LG	ATT PT	4
- 45	5761908		• NUT,HEX 10-32 NC	ATT PT	4
- 46	10170		• SCREW-MACH,BIND HD NO. 6-32 X .250 LG		1
- 47	56722		• WASHER-LOCK,EXT T, .150 ID		1
- 48	5761768		• HEAT SINK		1
- 49	5761913		• SCREW,	ATT PT	4
- 50	5761796		• INSULATOR,HEAT SINK		4
- 51	473536		• SEAL		AR
- 52	5761909		• TERMINAL, BRASS		1
- 53	2181002		• SCREW,THREAD FORMING-8-32 X 3/4 LG	ATT PT	1
- 54	5374689		• BUSHING	ATT PT	1
- 55	5761798		• INSULATOR, PHENOLIC - .38W X .75 LG		1
- 56	369214		• TRANSISTOR,TYPE 108		5
- 57	11598		• NUT, HEX 10-32		5
- 58	316996		• TERMINAL,LUG-NDNINS 9AWG NO. 8 MTG HOLE		1
- 59	5761976		• TUBING		10
- 60	5761968		• BUS STRIP		1
- 61	375203		• CARD ASSEMBLY		
- 62	1134451		• JACK,AUX PWR- .44 OD		1
- 63	529691		• WASHER, MICA		2
- 64	473592		• INSULATOR		1
- 65	5761767		• CHASSIS		1

FOR PARTS
NOT SHOWN
SEE FIG. 33



DETAIL B



DETAIL A

FIGURE 41. POWER SUPPLY ASM, 15V AT 2.5 AMPS. SEE LIST 41.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
				REF	REF
			POWER SUPPLY ASM,15V @ 2.5 AMP		
41 -	5709430		POWER SUPPLY ASSEMBLY 15V 2.5A 60 CYCLE		
-	5709470		POWER SUPPLY ASSEMBLY 15V 2.5A 50 CYCLE		
			FOR ILLUSTRATION SEE FIGURE 41		
			FOR NEXT HIGHER ASM SEE LIST 33-129		
- 1	5709434		• COMPONENT MOUNTING PLATE ASSEMBLY	1	
- 2	28413		• SCREW,MACH-BIND HD 10-32 X 5/16 LG	8	
- 3	538830		• CIRCUIT BREAKER- 1 POLE 50V DC 5 AMP	1	
- 4	10170		• SCREW-MACH,BIND HD NO. 6-32 X .250 LG	2	
- 5	441181		• POTENTIOMETER	1	
- 6	208228		• CAPACITOR,FXD,ELECT- 5500 UF 19V	1	
- 7	473422		• CLAMP,CAPACITOR	2	
- 8	62031		• WASHER,LOCK-INT TEETH NO. 6 X 0.295 OD	4	
- 9	38051		• NUT,PLAIN HEX 6-32 X 1/4 FL W	4	
- 10	473412		• INSULATOR,CAPACITOR CLAMP	4	
- 11	5261077		• CAPACITOR-ELECTROLYTIC	1	
- 12	5247112		• CLAMP,CAPACITOR	2	
- 13	62031		• WASHER,LOCK-INT TEETH NO. 6 X 0.295 OD	4	
- 14	38051		• NUT,PLAIN HEX 6-32 X 1/4 FL W	4	
- 15	210990		• SHIELD- 13 POSITION	1	
- 16	210984		• SCREW,MACH RH 6-32 X .25	1	
- 17	320461		• TERMINAL BOARD-13 POS	1	
- 18	5261167		• STUD- 8-32 X 0.438 LG W/6-32 TAPPED HOLE	1	
- 19	5261165		• STUD,SHLDR- 8-32 X 0.438 LG THD	3	
- 20	2101325		• MARKER STRIP,13 POSITION	1	
- 21	472187		• JUMPER-BRASS	2	
- 22	730432		• GROMMET,CATERPILLAR	1	
- 23	5261117		• RESISTOR,FXD,WW- 0.5 OHMS P/M 10% 25W	1	
- 24	438593		• SCREW-MACH-BIND HD NO. 8-32 X 2 1/2 LG	1	
- 25	60646		• WASHER,LOCK-INT TEETH NO. 8 X 0.340 OD	1	
- 26	257189		• NUT, HEX 8-32	1	
- 27	510468		• CUP WASHER	2	
- 28	22478		• WASHER,FL- 0.170 ID 0.375 OD 0.032 THK	1	
- 29	5261937		• RESISTOR ASM- 1.1K OHMS 2W	1	
- 30	113819		• TUBING	2	
- 31	359695		• TERMINAL-RING LUG NO.10 STUD	2	
- 32	492568		• RESISTOR,FXD 1,100 OHMS P/M 5% 2W	1	
- 33	5253894		• CAP,SCREW- .280 ID	4	
- 34	55726		• SCREW,MACH-BIND HD 6-32 X .188 LG	1	
- 35	56722		• WASHER-LOCK,EXT T, .150 ID	1	
- 36	5261018		• CHASSIS	1	
- 37	4116461		• TRANSFORMER 50 CY	2	
- 37	5261483		• TRANSFORMER 60 CY	2	
- 38	332620		• SCREW,MACH-BIND HD 10-32 X 1/2 LG	4	
- 39	45690		• WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	4	
- 40	9092		• WASHER-LOCK,SPLIT RING, .194 ID .337OD	4	
- 41	11598		• NUT, HEX 10-32	4	
- 42	5261007		• HEATSINK ASSEMBLY	1	
- 43	5261008		• BRACKET	1	
- 44	10170		• SCREW-MACH,BIND HD NO. 6-32 X .250 LG	2	
- 45	598479		• SEMICONDUCTOR DEVICE,D10- 150V 10 AMP	2	
- 46	45690		• WASHER, FL - NO.10 X 7/16 OD X 1/32 THK	2	
- 47	11891		• NUT,PLAIN,HEX- 10-32 X 3/8 FL W BRS	3	
- 48	473582		• INSULATOR	2	
- 49	217019		• WASHER,INSULATING .199 ID 1.00 OD	8	
- 50	5261606		• JUMPER PLATE	1	
- 51	491228		• CAPACITOR, .010 UF	1	
- 52	730176		• BRACKET-UNIT SUPPORT	1	
- 53	473544		• SCREW,BINDING HEAD SELF TAP NO 6 1/2 IN	2	
- 54	5261159		• BRACKET-UNIT SUPPORT	1	

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			POWER SUPPLY ASM,15V @ 2.5 AMP -CONT		
41 - 55	473544		• . SCREW,BINDING HEAD SELF TAP NO 6 1/2 IN	ATT PT	2
- 56	216076		• . TERMINAL BLOCK AND CONTACT ASSEMBLY FOR COMPONENT PARTS SEE LIST 44-64		1
- 57	477203		• . BRACKET		1
- 58	38235		• . SCREW,BIND HD 6-32 X .312 LONG	ATT PT	2
- 59	257986		• . WASHER,FLAT NO. 6	ATT PT	2
- 60	62031		• . WASHER,LOCK-INT TEETH NO. 6 X 0.295 OD	ATT PT	2
- 61	38051		• . NUT,PLAIN HEX 6-32 X 1/4 FL W	ATT PT	2
- 62	5712309		• . GUIDE		1
- 63	38235		• . SCREW,BIND HD 6-32 X .312 LONG	ATT PT	2
- 64	257187		• . NUT,HEX 6-32 NC	ATT PT	2
- 65	473531		• . INSULATOR		4
- 66	5261068		• . HEATSINK		1
			PARTS OF THIS ASM ARE NOT REPLACEABLE		
- 67	79779		• . SCREW,THD CTG-BIND HD NO. 6 X 3/4 LG	ATT PT	4
- 68	473536		• . SEAL		19
- 69	369616		• . TRANSISTOR-TYPE 119		1
- 70	322550		• . SCREW,MACH-BIND HD 6-32 X 1/2 LG	ATT PT	2
- 71	257986		• . WASHER,FLAT NO. 6	ATT PT	2
- 72	6364		• . WASHER,LOCK-SPLIT NO. 6 X 1/4 OD	ATT PT	2
- 73	38051		• . NUT,PLAIN HEX 6-32 X 1/4 FL W	ATT PT	2
- 74	219423		• . TUBE,RUBBER- 0.085 ID X 0.120 OD X 2 LG		2
- 75	369214		• . TRANSISTOR,TYPE 108		1
- 76	11891		• . NUT,PLAIN+HEX- 10-32 X 3/8 FL W BRS	ATT PT	1
- 77	219423		• . TUBE,RUBBER- 0.085 ID X 0.120 OD X 2 LG		2
- 78	473442		• . GROMMET - CATERPILLAR		1
- 79	5261039		• . COVER		1
- 80	374923		• . CARD ASM,REGULATOR PARTS OF THIS ASM ARE NOT REPLACEABLE		1

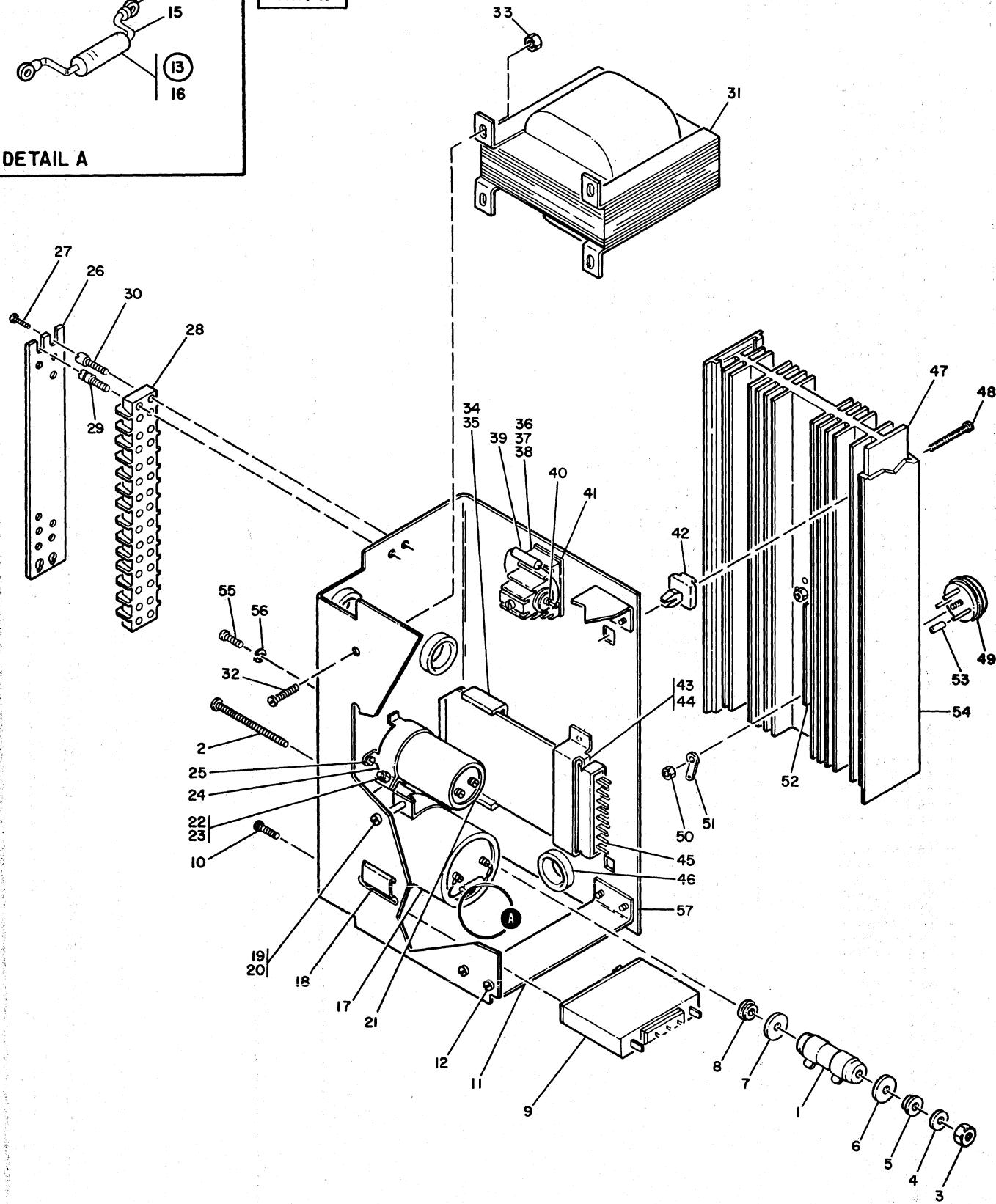
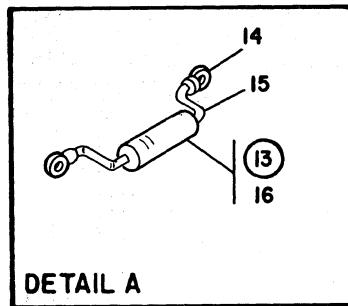


FIGURE 42. 3 VOLT 4 AMP POWER SUPPLY ASSEMBLY. SEE LIST 42.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			3VDC 4.0AMP POWER SUPPLY ASSEMBLY		
42 -	5239400		POWER SUPPLY ASM,3 AT 4AMPS-60 CYCLE		REF
-	5239418		POWER SUPPLY ASM,3V AT 4AMPS-50 CYCLE		REF
			FOR ILLUSTRATION SEE FIGURE 42		
			FOR NEXT HIGHER ASM SEE LIST 33-129		
- 1	5261119		• RESISTOR,0.16 OHMS 25 WATTS WIREWOUND		1
- 2	438593		• SCREW-MACH-BIND HD NO. 8-32 X 2 1/2 LG	ATT PT	1
- 3	5761938		• NUT/LOCKWASHER ASSEMBLY - 8-32	ATT PT	1
- 4	2903		• WASHER,FL-NO. 6 X 1/2 OD X 1/32 THK		1
- 5	510468		• CUP WASHER		1
- 6	5761935		• WASHER		1
- 7	5761935		• WASHER		1
- 8	510468		• CUP WASHER		1
- 9	5214544		• CIRCUIT BREAKER		1
- 10	38235		• SCREW,BIND HD 6-32 X .312 LONG	ATT PT	2
- 11	5761779		• BRACKET,CHASSIS		2
- 12	731629		• SCREW,PAN HD- 10-32 X 0.380 LG	ATT PT	8
- 13	5261935		• RESISTOR ASSEMBLY-330 OHMS 2W		1
- 14	359695		• • TERMINAL-RING LUG NO.10 STUD		2
- 15	113819		• TUBING		2
- 16	317080		• • RESISTOR,FXD 330 OHM 2W		1
- 17	5261067		• CAPACITOR, ELECT., 24000 MF 10VDC		1
- 18	5761786		• STRAP,CAPACITOR		1
- 19	438570		• SCREW,MACH-BIND HD 6-32 X 1-1/2 LG	ATT PT	1
- 20	5761943		• NUT,HEX 10-32 NC	ATT PT	1
- 21	5261089		• CAPACITOR,ELECTROLYTIC- 10000 UF 6VDC		1
- 22	322550		• SCREW,MACH-BIND HD 6-32 X 1/2 LG	ATT PT	1
- 23	5761943		• NUT,HEX 10-32 NC	ATT PT	1
- 24	301768		• BRACKET		1
- 25	55726		• SCREW,MACH-BIND HD 6-32 X .188 LG	ATT PT	2
- 26	210990		• SHIELD- 13 POSITION		1
- 27	210984		• SCREW,MACH RH 6-32 X .25	ATT PT	1
- 28	5214556		• TERMINAL		1
- 29	5261167		• STUD- 8-32 X 0.438 LG W/6-32 TAPPED HOLE	ATT PT	1
- 30	5261165		• STUD,SHLDR- 8-32 X 0.438 LG THD	ATT PT	3
- 31	5761723		• TRANSFORMER,STEPDOWN - 60 CYCLE		1
- 31	4116492		• TRANSFORMER,STEPDOWN - 50 CYCLE		1
- 32	332620		• SCREW,MACH-BIND HD 10-32 X 1/2 LG	ATT PT	4
- 33	5761908		• NUT,HEX 10-32 NC	ATT PT	4
- 34	5712309		• GUIDE		1
- 35	5761907		• RIVET	ATT PT	2
- 36	5761977		• RECTIFIER ASSEMBLY		1
- 37	734483		• SCREW,PAN HD- 6-32 X 0.380 LG	ATT PT	3
- 38	5762215		• WASHER,INSULATING	ATT PT	2
- 39	491228		• CAPACITOR, .010 UF		1
- 40	113819		• TUBING		AR
- 41	5761979		• INSULATOR		1
- 42	5761796		• INSULATOR,HEAT SINK		4
- 43	5761904		• BRACKET		1
- 44	5761907		• RIVET	ATT PT	2
- 45	216076		• TERMINAL BLOCK AND CONTACT ASSEMBLY FOR COMPONENTS SEE LIST 44-64		1
- 46	5761936		• GROMMET		2
- 47	5761759		• HEAT SINK		1
- 48	5761913		• SCREW,		4
- 50	11598		• NUT, HEX 10-32	ATT PT	2
- 51	316996		• TERMINAL,LUG-NONINS 9AWG NO. 8 MTG HOLE		1
- 52	5761965		• BUS STRIP		1
- 53	5761976		• TUBING		AR
- 54	473536		• SEAL		AR
- 55	10170		• SCREW-MACH,BIND HD NO. 6-32 X .250 LG		1
- 56	56722		• WASHER-LOCK,EXT T, .150 ID		1
- 57	5761758		• CHASSIS		1

FOR PARTS
NOT SHOWN
SEE FIG. 33

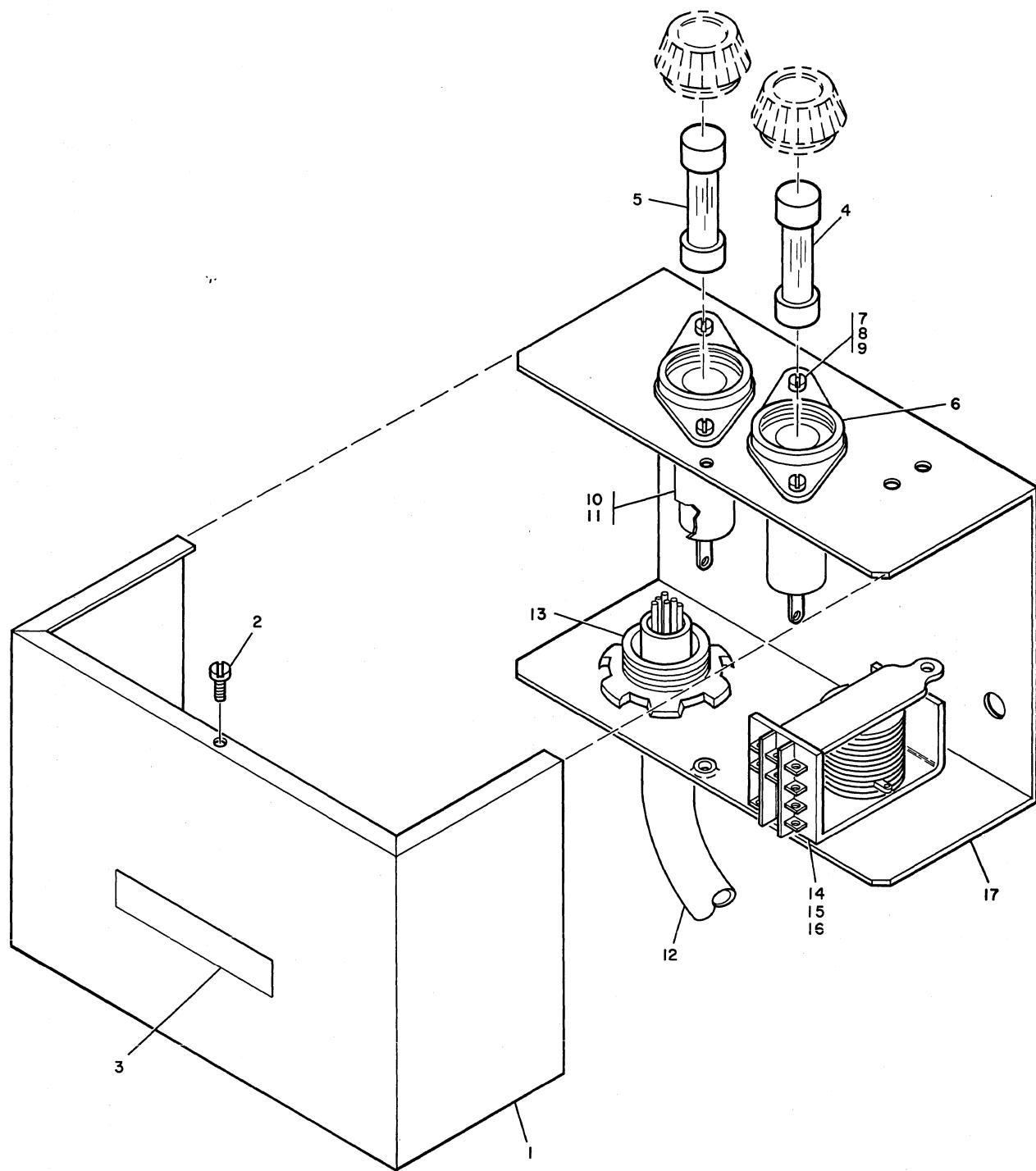


FIGURE 43. SEQUENCE BOX ASSEMBLY. SEE LIST 43.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
			SEQUENCE BOX ASSEMBLY		
43 -			CODE A USED ON ASMS 2243147 AND 2243361		
-					
-	2243147		SEQUENCE BOX ASM, USED ON MIDPACK 2.2 MICROSEC	REF	
-	2243603		SEQUENCE BOX ASM, USED ON MIDPACK 3.6 MICROSEC	REF	
-	2243361		SEQUENCE BOX ASM, USED ON MEDIUM POWER 3.6 MICROSEC FOR ILLUSTRATION SEE FIGURE 43 FOR NEXT HIGHER ASM SEE LIST 33-146	REF	
- 1	2243348		• COVER		1
- 2	731626		• SCREW, PAN HEAD, 6-32 X .25 LONG	ATT PT	2
- 3	124943		• LABEL-HAZARDOUS AREA		1
- 4	92734		• FUSE, 2.0 AMP, LONG TIME LAG, NON-INDICATE		1
- 5	117401		• FUSE USED ON ASM 2243147 ONLY		1
- 5	252590		• FUSE, 0.6 AMP LONG TIME LAG, NON-INDICATE USED ON ASM 2243361 ONLY		1
- 6	104615		• FUSEHOLDER		2
- 7	322550		• SCREW, MACH-BIND HD 6-32 X 1/2 LG	ATT PT	4
- 8	6364		• WASHER, LOCK-SPLIT NO. 6 X 1/4 OD	ATT PT	4
- 9	257187		• NUT, HEX 6-32 NC	ATT PT	4
- 10	257079		• INSULATOR, FUSE TERMINAL .375 DIA X 1.500		2
- 11	257080		• INSULATOR, FUSE TERMINAL .962 DIA X 1.875		2
- 12	2243169		• CABLE ASM, SEQUENCE BOX TO TB 2 USED ON ASM 2243147 ONLY		A
- 12	2243600		• CABLE ASM, SEQUENCE BOX TO TB 2 USED ON ASM 2243603 ONLY		A
- 12	2243438		• CABLE ASM, SEQUENCE BOX TO TB 2 FOR COMPONENT PARTS SEE LIST 44-2B, 2C, 23 USED ON ASM 2243361 ONLY		A
- 13	2100264		• RELIEF, CABLE STRAIN		1
- 14	2158694		• RELAY, 3PDT 24V AC COIL		AR
- 15	6364		• WASHER, LOCK-SPLIT NO. 6 X 1/4 OD		AR
- 16	322550		• SCREW, MACH-BIND HD 6-32 X 1/2 LG		AR
- 17	2243146		• HOUSING, SEQUENCE USED ON ASMS 2243147 AND 2243361		1
- 17	2243604		• HOUSING, SEQUENCE USED ON ASM 2243603 ONLY		1

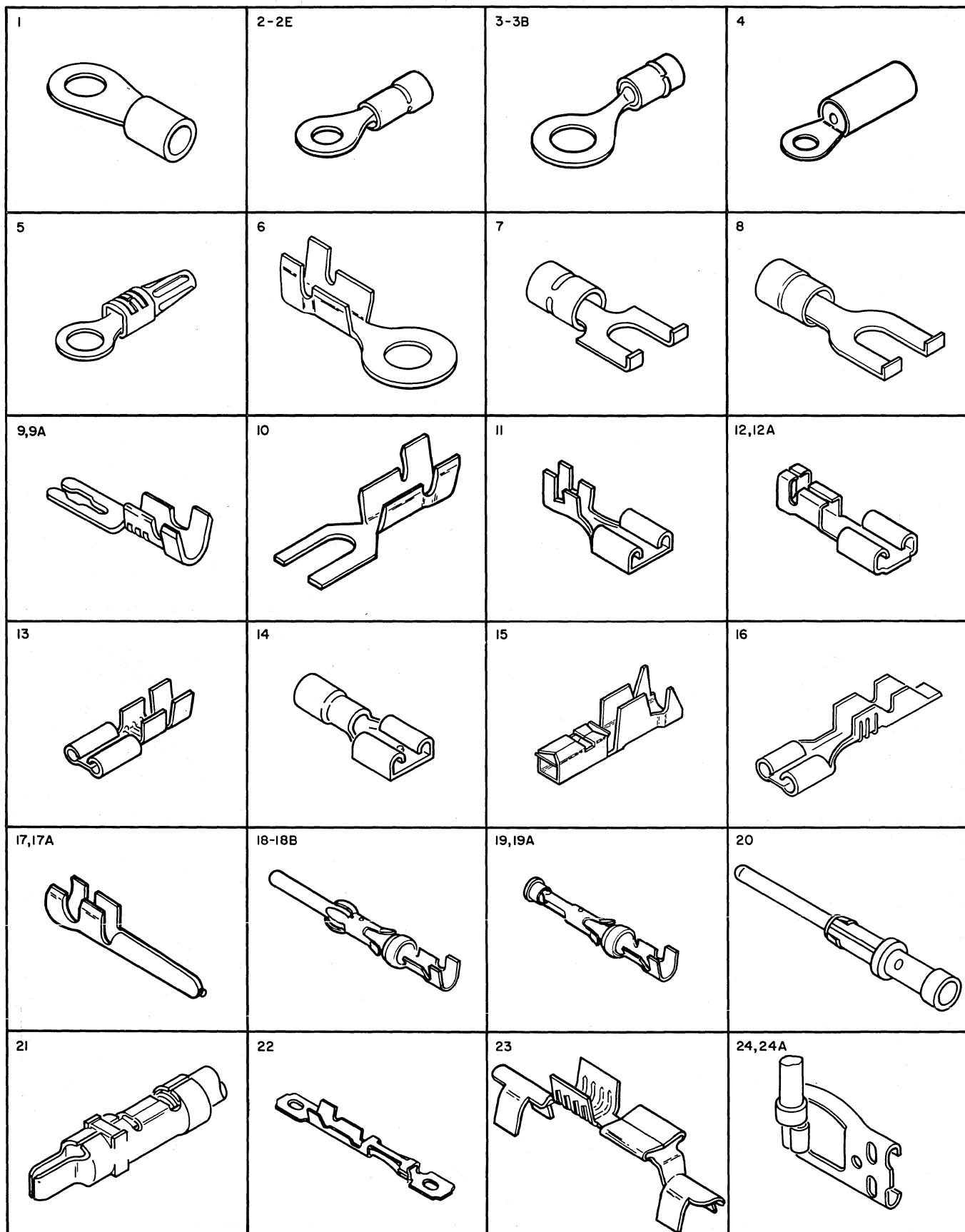


FIGURE 44. CABLE COMPONENT GROUP. SHEET 1 OF 4, INDEX NOS. 1-24. SEE LIST 44.

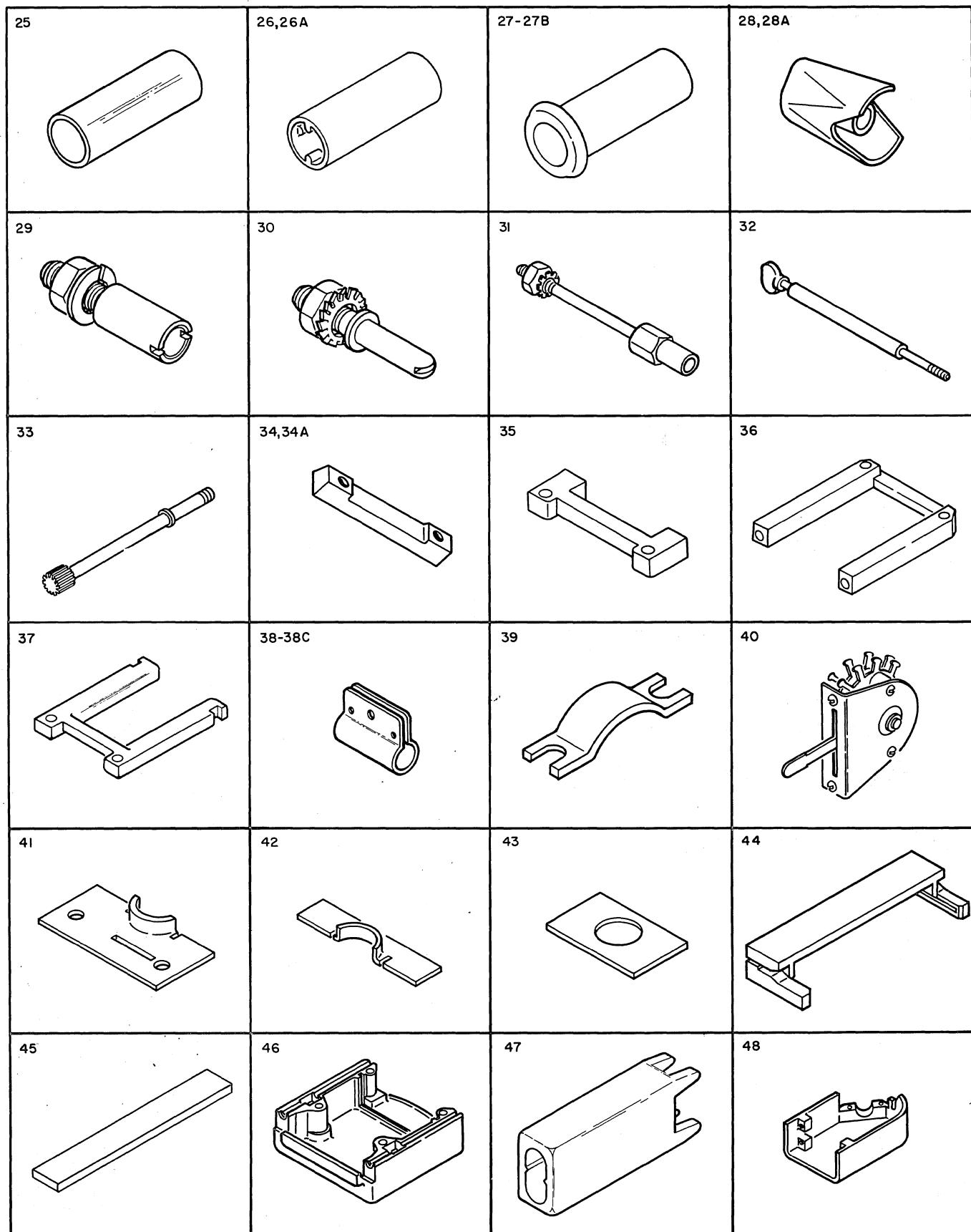


FIGURE 44. CABLE COMPONENT GROUP. SHEET 2 OF 4, INDEX NOS. 25-48. SEE LIST 44.

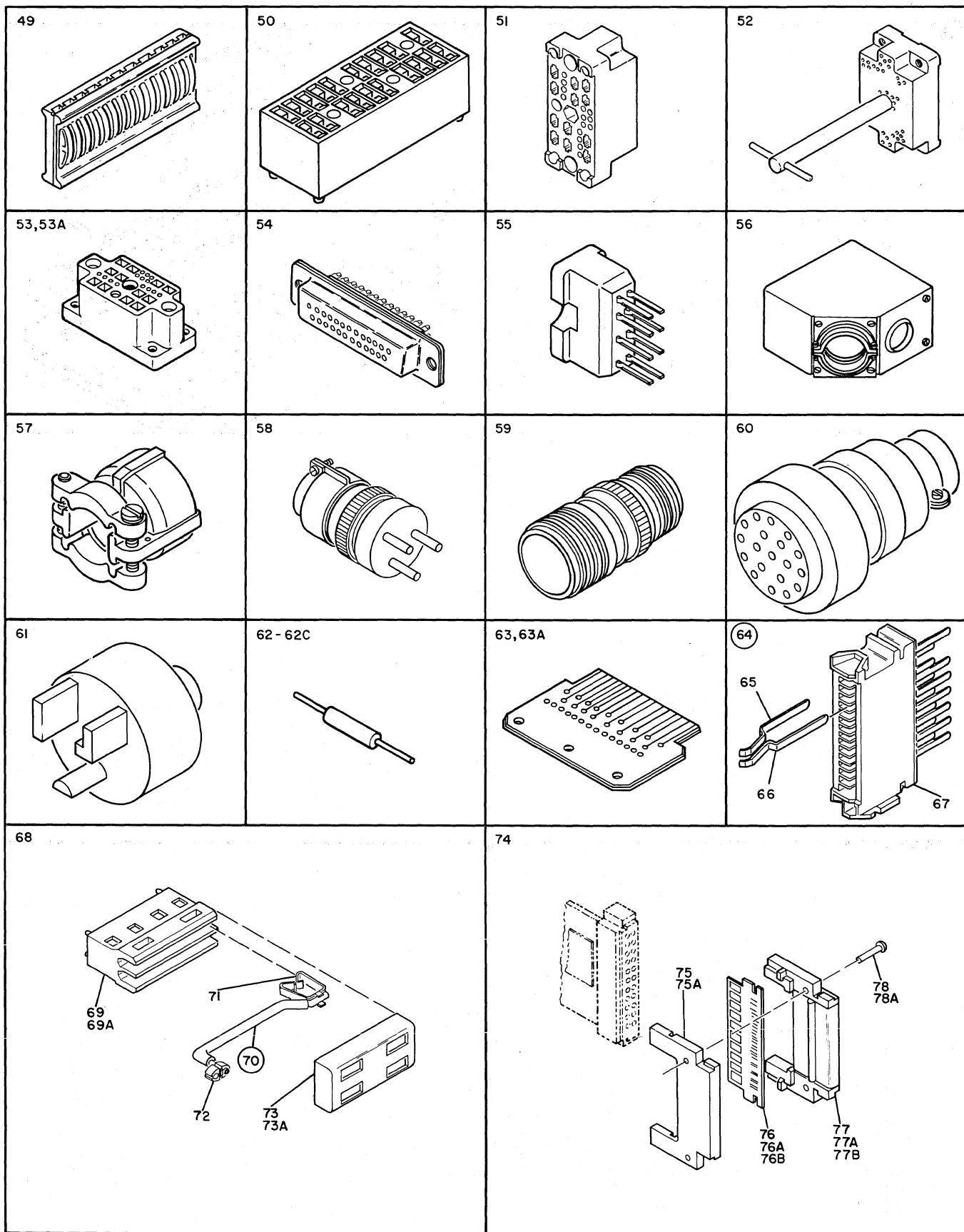


FIGURE 44. CABLE COMPONENT GROUP. SHEET 3 OF 4, INDEX NOS. 49-78. SEE LIST 44.

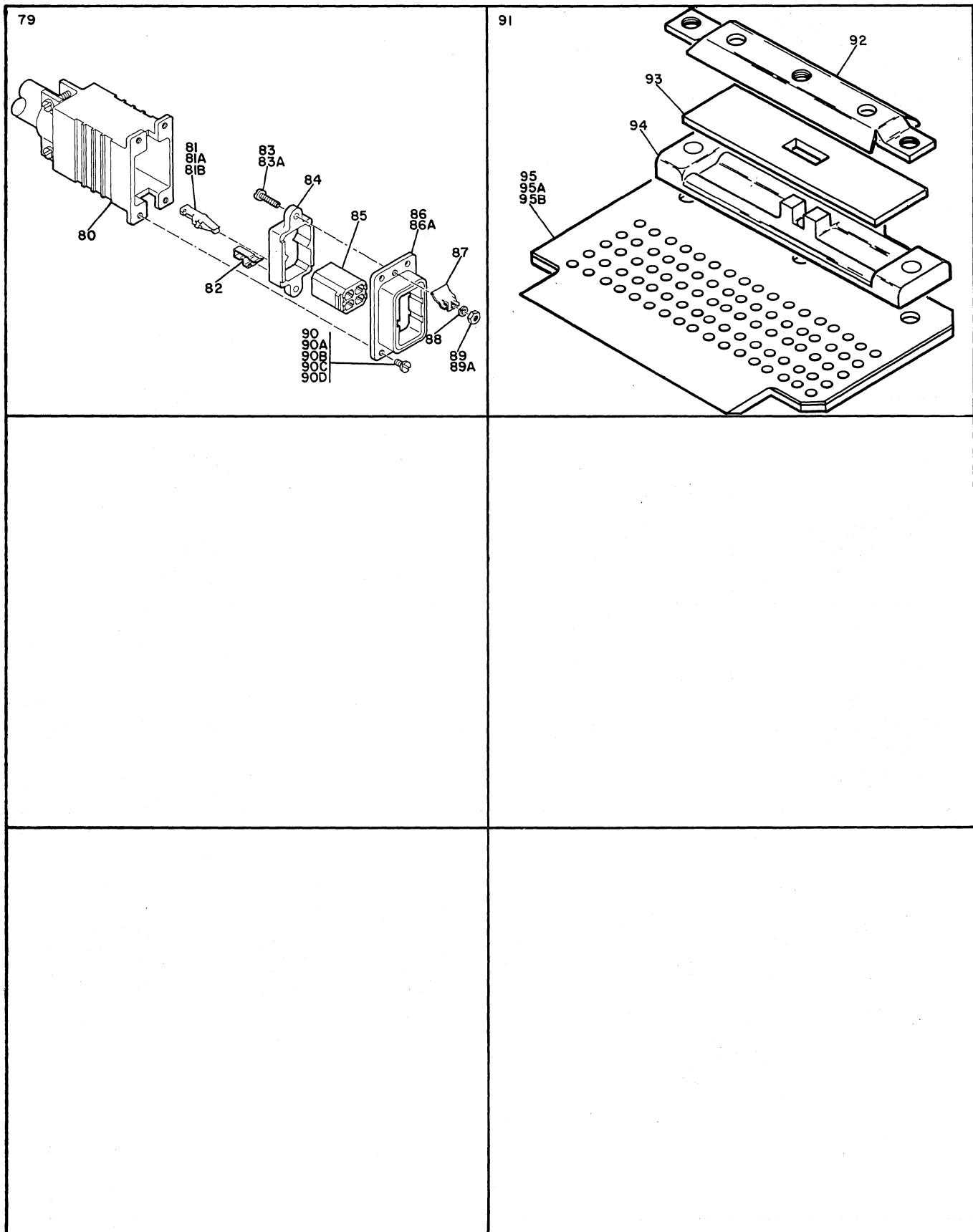


FIGURE 44. CABLE COMPONENT GROUP. SHEET 4 OF 4, INDEX NOS. 79-90 SEE LIST 44.

LIST AND INDEX NO.	PART NO.	1 2 3 4	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
CABLE COMPONENT GROUP					
44 -	NO NO.		CABLE COMPONENT GROUP FOR ILLUSTRATION SEE FIGURE 44		
- 1	92784		• TERMINAL,LUG-INS 18-20AWG NO.8 MTG HOLE	AR	
- 2	2102617		• TERMINAL-LUG NO.10 STUD	AR	
- 2A	2197170		• TERMINAL, WIRE, #8 AWG	AR	
- 2B	253453		• TERMINAL, RING INS NO 22 AWG 0.140 ID	AR	
- 2C	253740		• TERMINAL,LUG-INS 10-12AWG NO.6 MTG HOLE	AR	
- 2D	334910		• TERMINAL-LUG NO.16 THRU NO.14 WIRE	AR	
- 2E	334921		• TERMINAL-LUG NO.22 THRU NO.18 WIRE INSUL	AR	
- 3	186968		• TERMINAL,LUG-INS 10/12AWG NO. 8 MTG HOLE	AR	
- 3A	334932		• TERMINAL-LUG NO.18 THRU NO.22 WIRE INSUL	AR	
- 3B	360370		• TERMINAL-RING TONGUE NO.14-16 WIRE	AR	
- 4	2101326		• TERMINAL-CLIP,BARREL NO.12-10 WIRE INSUL	AR	
- 5	359695		• TERMINAL-RING LUG NO.10 STUD	AR	
- 6	186961		• TERMINAL-RING,NO.6 STUD NON INSULATED	AR	
- 7	368222		• TERMINAL-NO.8 STUD 16-14 WIRE	AR	
- 8	92786		• TERMINAL,LUG-INS 18-20AWG NO.4 MTG SLOT	AR	
- 9	813194		• TERMINAL-AWG,20-18	AR	
- 9A	813195		• TERMINAL-DISCRETE WIRE,22/24/26	AR	
- 10	313361		• TERMINAL, SPADE 0.119 ID- 22, 24 AWG	AR	
- 11	430798		• TERMINAL, RECEPTACLE WIRE SIZE 20-18 AWG	AR	
- 12	236915		• TERMINAL-CONTACT FEMALE 20-18 AWG	AR	
- 12A	236916		• TERMINAL-CONTACT FEMALE 24-22 AWG	AR	
- 13	2123393		• TERMINAL,QUICK DISCONNECT- 16/20AWG	AR	
- 14	5247187		• TERMINAL,QUICK DISCONNECT- 18/22AWG	AR	
- 15	815934		• CONNECTOR,DISCRETE WIRE 22-26 AWG	AR	
- 16	5412817		• TERMINAL-QUICK DISCONNECT	AR	
- 17	187243		• TERMINAL, SMALL TAPER 20-22-24 OR 26 AWG	AR	
- 17A	360433		• TERMINAL-TAPER PIN 16/18AWG 0.073 NOM OD	AR	
- 18	2122260		• PIN-CONTACT,AWG 18-16	AR	
- 18A	2127867		• PIN, CONTACT 24-26 AWG	AR	
- 18B	2122258		• PIN-CONTACT MALE 20/22AWG	AR	
- 19	2127890		• SOCKET-CONTACT AWG 26-24	AR	
- 19A	2122261		• SOCKET,CONTACT AWG 18 - 16	AR	
- 20	2190742		• PIN,CONTACT MALE 16/18 AWG	AR	
- 21	2192507		• TERMINAL ASM-MALE 12/14 AWG LONG	AR	
- 22	813810		• TERMINAL,QUICK DISCONNECT	AR	
- 23	596255		• TERMINAL,SLIP-ON	AR	
- 24	517913		• CLIP, SLIP ON NO 18-16 AWG	AR	
- 24A	2162590		• TERMINAL-FLAG FAST	AR	
- 25	257080		• INSULATOR,FUSE TERMINAL .962 DIA X 1.875	AR	
- 26	2163847		• SLEEVE,INSULATING 0.225 DIA X 0.75 LG	AR	
- 26A	2178470		• SLEEVE,INSULATING 0.308 DIA X 0.75 LG	AR	
- 27	2191359		• BUSHING CABLE CLAMP	AR	
- 27A	2243200		• BUSHING-.925 OD X .75 ID X 2.00 LONG	AR	
- 27B	4203608		• BUSHING-.738 OD X .625 ID X 2.141 LONG	AR	
- 28	123816		• FERRULE-SHIELDED WIRE 0.070 ID	AR	
- 28A	2178469		• FERRULE-SHIELDED WIRE 0.150 ID	AR	
- 29	2122636		• SOCKET,GUIDE CORNER	AR	
- 30	2122637		• PIN,GUIDE CORNER	AR	
- 31	2180796		• JACKSCREW, FIXED	AR	
- 32	2244723		• SCREW,JACK 8-32 X 0.5 THR TOTAL 4.88 LG	AR	
- 33	347752		• STUD,KNURLED HD- 4-40 X 2.60 LG	AR	
- 34	2180973		• CLAMP, SLT CARD	AR	
- 34A	2204024		• STRAIN RELIEF	AR	
- 35	5352958		• STRAIN RELIEF	AR	
- 36	5352960		• STRAIN RELIEF	AR	
- 37	5352967		• STRAIN RELIEF	AR	
- 38	2154996		• CLAMP, CABLE, MOTOR POWER INTERCONN	AR	
- 38A	627603		• CLAMP	AR	
- 38B	2145183		• CLAMP-CABLE	AR	
- 38C	2162457		• CLAMP, CABLE	AR	
- 39	2244724		• CLAMP,CABLE	AR	
- 40	347745		• SWITCH,LEVER-8 POLES NON SHORTING	AR	
- 41	4034312		• PLATE,SWITCH MOUNTING	AR	
- 42	4034311		• PLATE,CABLE CLAMP	AR	
- 43	347751		• PLATE-PRESSURE	AR	
- 44	811802		• GUIDE-CARD,6 PAC	AR	
- 45	2191340		• STRAIN RELIEF	AR	
- 46	347755		• SHELL-CONNECTOR AND SWITCH HOUSING	AR	
- 47	813197		• HOUSING-TERMINAL	AR	
- 48	2244722		• HOUSING, PLUG	AR	
- 49	2242704		• HOUSING,SNAP 12 UP	AR	
- 50	2191341		• HOUSING-JUMPER CONNECTOR	AR	
- 51	2191078		• RECEPTACLE, PIN	AR	
- 52	2191077		• CONNECTOR- 160 PIN	AR	

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44 - 53	2180672		• BLOCK, RECEPTACLE, 29 POSITION	AR	
- 53A	2244725		• PLUG, 29 POS.	AR	
- 54	5302662		• CONNECTOR,MALE	AR	
- 55	2160951		• SOCKET-HEAD DIODE BOARD	AR	
- 56	2191079		• SHIELD ASSEMBLY	AR	
- 57	2243148		• CLAMP,CABLE .75 ID	AR	
- 58	820384		• PLUG,MALE-3 WIRE 20 AMP	AR	
- 59	2243099		• PLUG,3 SOCKET CONTACT	AR	
- 60	2135031		• CONNECTOR	AR	
- 61	2243571		• CAP,115V 30AMP	AR	
- 62	216438		• RESISTOR,FXD,COMP- 470 OHMS P/M 5% 1/4W	AR	
- 62A	216458		• RESISTOR,FXD,COMP,1.1MEG PORM 5PCT,1/4W	AR	
- 62B	216468		• RESISTOR,FXD-COMP- 10K OHMS P/M 5% 1/4W	AR	
- 62C	317087		• RESISTOR,FXD,WW- 2700 OHMS P/M 5 PCT 2W	AR	
- 63	5800610		• CARD ASM	AR	
- 63A	5805030		• CARD,CONNECTOR	AR	
- 64	216076		• TERMINAL BLOCK AND CONTACT ASSEMBLY	AR	
- 65	216087		• • SPRING-CONTACT	AR	
- 66	216088		• • SPRING-CONTACT	AR	
- 67	216073		• • CARD RECEPTACLE- 1 POSITION	AR	
- 68	NO NO. NP		• CABLE GROUP	NP	
- 69	813801		• • HOUSING	AR	
- 69A	813550		• • HOUSING- 2 PIN GRN USES COVER P/N 813549	AR	
- 70	811496		• • CONTACT ASSEMBLY	AR	
- 71	813681		• • • CONTACT, MINITUDE BUS	AR	
- 72	813827		• • • BUS CONNECTOR	AR	
- 73	813802		• • CAP	AR	
- 73A	813549		• • COVER- 2 PIN NAT FOR HOUSING P/N 813550	AR	
- 74	NO NO. NP		• CABLE GROUP	NP	
- 75	813803		• • STRAIN RELIEF	AR	
- 75A	813805		• • STRAIN RELIEF	AR	
- 76	5800660		• • CARD ASM	AR	
- 76A	5800656		• • CARD ASSEMBLY	AR	
- 76B	5800671		• • CARD ASSEMBLY	AR	
- 77	813804		• • STRAIN RELIEF	AR	
- 77A	813806		• • STRAIN RELIEF	AR	
- 77B	813807		• • STRAIN RELIEF	AR	
- 78	813338		• • RIVET	AR	
- 78A	2204180		• • RIVET,ROLLED FLANGE	AR	
- 78B	595720		• • RIVET, ROLLED FLANGE	AR	
- 79	NO NO. NP		• CABLE GROUP	NP	
- 80	738256		• • HOOD- 2 MODULE	AR	
- 81	738255		• • TERMINAL ASM, FEMALE 12 AND 14 AWG	AR	
- 81A	2192503		• • TERMINAL ASM, FEMALE 12-14 AWG	AR	
- 81B	2192502		• • TERMINAL ASM, MALE 12-14 AWG	AR	
- 82	2195482		• • CLIP,GROUNDING	AR	
- 83	438550		• • SCREW,MACH-BIND HD 4-40 X 1/2 LG	AR	
- 83A	2300		• • SCREW,MACH-FIL H 8-32 X 1/4 LG	AR	
- 84	738166		• • RETAINER- 2 FEMALE MODULES	AR	
- 85	738257		• • MODULE BLOCK-4 POS FEMALE	AR	
- 86	2192524		• • RECEPTACLE	AR	
- 86A	738196		• • RECEPTACLE- 2 BLOCK MODULE	AR	
- 87	738197		• • LOCKING SPRING,MODULE CONN	AR	
- 88	257984		• • WASHER,LOCK-SPRING MEDIUM	AR	
- 89	257189		• • NUT, HEX 8-32	AR	
- 89A	37913		• • NUT, HEX 4-40 NC	AR	
- 90	337		• • SCREW,MACH-FIL H 8-32 X 3/8 LG	AR	
- 90A	186758		• • SCREW,MACH-BIND HD 8-32 X 7/16 LG	AR	
- 90B	236550		• • SCREW,MACH-BIND HD 4-40 X 0.375 LG	AR	
- 90C	338238		• • SCREW, MACH-BD HD 4-40 NC X .3125 LG	AR	
- 90D	186759		• • SCREW,MACH-BIND HD 8-32 X 5/16 LG	AR	
- 91	NO NO. NP		• CABLE GROUP	NP	
- 92	216208		• • CLAMP-CABLE CONNECTOR	AR	
- 93	216210		• • SPACER-CABLE CONNECTOR	AR	
- 94	216209		• • SUPPORT-CABLE CONNECTOR CARD	AR	
- 95	396335		• • CARD ASM	AR	
- 95A	491349		• • CARD ASM	AR	
- 95B	747369		• • CONNECTOR	AR	

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